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CHEMICALS IDENTIFIED IN FERAL AND FOOD ANIMALS, A DATA BASE

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For his support and valuable advice, the U.S. Environmental Protection Agency project officer expresses special thanks to Dr. Herman F. Kraybill, the National Cancer Institute coproject officer and the chairperson of the Interagency Collaborative Group on Environmental Carcinogenesis (ICGEC).

INTRODUCTION

A comprehensive data base of chemicals identified in feral and food animals has been established under the direction of the Exposure Evaluation Division in the U.S. Environmental Protection Agency's Office of Toxic Substances. This effort has grown out of the concern over continuing reports of toxic chemicals in human tissues and body fluids. Feral populations and food animals are regarded as indicators of environmental contamination and subsequent human body burden.

This data file is a companion to *Chemicals Identified in Human Biological Media, A Data Base*, and follows basically the same format. The data base on human body burden is in its fifth year of publication. This is the third annual report for the feral and food animal file.

Data were obtained primarily from the open literature through manual searches (retrospective to 1979) of the journals listed in Appendix A. The data base contains information on 150 different substances. Appendix B lists, by CAS registry numbers and preferred names, the chemicals in Volume III. For the user's convenience, cross-referenced chemical lists of CAS preferred and common names are provided in Appendix C. The animals, tissues, and body fluids found to be contaminated by these chemicals are listed in Appendix D.

The data base is published annually in tabular format with indices and chemical listings that allow specific searching. The file is now available online in Lockheed's DIALOG.

It should be emphasized that the purpose of the data base is to provide a centralized resource of animal residue data and is in no way intended to obviate the need for the user to ultimately refer to the original literature or data source. It is not the intent of this program to screen or evaluate the data.

This data base was established under the aegis of the Interagency Collaborative Group on Environmental Carcinogenesis (ICGEC), National Cancer Institute. Funding is through the National Cancer Institute-Environmental Protection Agency Collaborative Program. The work is being done by the Oak Ridge National Laboratory's Chemical Effects Information Center, Information Center Complex, through interagency agreements involving the National Cancer Institute, the Environmental Protection Agency, and the Department of Energy. Members of the ICGEC Task Group on Chemicals in Human Tissues provide support to the program's activities. Agencies represented by members of the task group include the Armed Forces Institute of Pathology, the Centers for Disease Control, the Department of Agriculture, the Department of Energy, the Environmental Protection Agency, the Food and Drug Administration, the National Bureau of Standards, the National Cancer Institute, the National Center for Toxicological Research, the National Institute for Environmental Health Sciences, the National Institute for Occupational Safety and Health, and the National Library of Medicine.

Comments by the users of this document are invited. Questions, comments, and requests for additional information about the data base and/or searches thereof should be directed to:

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USER'S GUIDE

This data base is published annually. The document contains introductory materials, references, appendices, indices, and a chemical directory and animal residue data extracted from the source documents.

When appropriate articles are identified, data are extracted and entered in the data base by chemical, animal, and tissue/body fluid. Each data entry comprises a single record (or line entry) and is assigned a record number. If a particular document deals with more than one animal, chemical, or tissue, there will be multiple records for that document. For example, a study of 5 chemicals in each of 3 tissues in 2 animals has 30 different records (or 30 line entries) in the data base and 30 record numbers. Record numbers are assigned consecutively throughout the entire data base and appear in the upper-left corner of the first column for each record.

The data base is in tabular format and arranged alphabetically by CAS preferred chemical name. The sample record below illustrates the format. The chemical, in this case copper, is given along with its CAS registry number, formula, atomic weight, melting point, boiling point, and vapor pressure. The common name of the animal is listed alphabetically below the chemical data, followed by the taxonomic name when available.

Tissues are listed alphabetically in the first column, preceded by the record number. In the sample record, the tissue is liver and the record number is 154.

Information in the next five columns—exposure route, analytical method, number of cases, range, and mean—is self-explanatory and is provided when available in the source document. A list of abbreviations used for analytical method is provided on page 5. Exponential values are written as in the following example: 5×10^{-15} is 5 × 10(E-15). All means are arithmetic unless designated as being geometric. When included, standard error is indicated by *S.E.* However, values for standard deviations, when given, have no such designations. When only graphically displayed data were available, values were estimated by the extractor and so indicated in the table under **GENERAL INFORMATION**.

In the GENERAL INFORMATION column, a variety of information may be included that is pertinent to the range and mean as well as to the experimental design, demography, health effects, pathology, morphology, and toxicity. In general, supporting information deemed important for understanding the data presented appears in this column.

The REFERENCE column includes author(s), publication data, and source. Complete literature citations are listed alphabetically, by author, in the section References for Data Base.

Because not all details of the research can be included in this publication, keywords, in uppercase letters, are provided for further insight into important aspects of the source documents. The use of a different chemical as a keyword indicates studies on that chemical were reported in the same document. For example, CADMIUM may appear as a keyword in a record on mercury when the work includes data on both chemicals. In the same way, a different tissue occurring as a keyword indicates the document also deals with that tissue.

CAS preferred names are from the *Ninth Collective Index*, and, when different, names from both the eighth and the ninth indices (8 CI, 9 CI) are given. Appendix C provides cross-referenced alphabetical lists of commonly used synonyms paired with the CAS preferred names.

For accessing information in the data base when only the CAS registry number is known, the user should refer to Appendix B, which lists CAS registry numbers coupled with the preferred names. For help in locating chemicals in the tabular portion of the document, an alphabetically arranged directory of chemicals by CAS names and record numbers is provided as the last section of the document. The second part of the directory lists formulas alphabetically along with the corresponding CAS preferred names and record numbers. Indices by author, corporate author, animals and tissues, tissue or body fluid, geography, and keywords refer the user to the appropriate record number.

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Mule deer
ODOCOILEUS HEMIONUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
154 Liver		AAS	a) 12 b) 6	a) 19-114 ppm b) 45-227 ppm Dry wt	a) 61.4 ± 34.0 ppm b) 97.3 ± 59.6 ppm Dry wt	a) Adults, 1.5 yr & older Fawns, 0.5 yr Captured 1/79 near oil shale tracts before mining initiated Colorado, Rico Blanco County, Piceance Creek Basin DEER MICE; MULE DEER; BORON; COPPER; FLUORIDE MOLYBDENUM; COLORADO; BONES; KIDNEYS; LIVER	Stetler, L.H. Journal of Wildlife Diseases 16(2):175-182

ABBREVIATIONS FOR ANALYTICAL METHODS

AAS	Atomic absorption spectrometry
APDC-MIBK	Ammonium pyrrolidine diethiocarbamate-methylisoburyl ketone extraction
ASV	Anodic stripping voltammetry
CC	Column chromatography
Chem	Chemical methods
Electrochem	Electrochemical methods
ELISA	Enzyme-linked immunosorbent assay
EM	Electron microscopy
ES	Emission spectrometry
GC	Gas chromatography
GC-EC	Gas chromatography; electron-capture detection
GC/MF	Gas chromatography coupled with mass fragmentography
GC/MS	Gas chromatography coupled with mass spectrometry
Histochem	Histochemistry
HPLC	High-pressure liquid chromatography
ICP-AES	Inductively coupled plasma-atomic emission spectroscopy
IR	Infrared analysis
ISE	Ion-specific electrode
LSV	Linear sweep voltammetry
MAS	Molecular absorption spectrophotometry
MED	Microwave emission detector (ion)
MS	Mass spectrometry
NA	Neutron activation
NMR	Nuclear magnetic resonance
PIXE	Proton-induced X-ray emission
RIA	Radioimmunoassay
SPF	Spectrophotofluorometry
TLC	Thin-layer chromatography
UV	Ultraviolet analysis
X-ray fluores	X-ray fluorescence
X-ray spectrom	X-ray spectrometry

DATA BASE

Anisole, 2,3,4,5,6-pentachloro- (8 CI)
Benzene, pentachloromethoxy- (9 CI)
1825-21-4
C7-H3-Cl5-O
MW 280.35
Trout, rainbow
SALMO GAIRDNERI

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1516 Adipose		Radiometry GC/MS	6	a) Not given b) Not given c) Not given d) Not given	a) 18 ug/g b) 20 ug/g c) 65 ug/g d) 85 ug/g Estimated from graph	a) 1 hr b) 2 hr c) 4 hr d) 12 hr Exposure times to 0.024 mg[C14]PCP/l Fish wt 8-10 g WISCONSIN; ADIPOSE TISSUE; BILE; BLOOD; LIVER; MUSCLES; BIOACCUMULATION; FISHES; METABOLITES; CHLORINE ORGANIC COMPOUNDS; PENTACHLOROPHENOL	Glickman, A.H. Statham, C.M. Wu, A. Lech, J.J. 1977 Toxicology and Applied Pharmacology 41:649-658
1517 Bile		Radiometry GC/MS	6	a) Not given b) Not given	a) 3 ug/g b) 10 ug/g Estimated from graph	a) 4 hr b) 8 hr Exposure times to 0.05 mg[C14]PCA/l. Partly as glucuronide Fish wt 50-100 g WISCONSIN; ADIPOSE TISSUE; BILE; BLOOD; LIVER; MUSCLES; BIOACCUMULATION; FISHES; METABOLITES; CHLORINE ORGANIC COMPOUNDS; PENTACHLOROPHENOL	Glickman, A.H. Statham, C.M. Wu, A. Lech, J.J. 1977 Toxicology and Applied Pharmacology 41:649-658
1518 Blood		Radiometry GC/MS	6	a) Not given b) Not given c) Not given d) Not given e) Not given	a) 0.8 ug/g b) 1.0 ug/g c) 1.2 ug/g d) 1.0 ug/g e) 1.0 ug/g Estimated from graph	a) 1 hr b) 2 hr c) 4 hr d) 8 hr e) 12 hr Exposure times to 0.024 mg[C14]PCA/l Fish wt 8-10 g WISCONSIN; ADIPOSE TISSUE; BILE; BLOOD; LIVER; MUSCLES; BIOACCUMULATION; FISHES; METABOLITES; CHLORINE ORGANIC COMPOUNDS; PENTACHLOROPHENOL	Glickman, A.H. Statham, C.M. Wu, A. Lech, J.J. 1977 Toxicology and Applied Pharmacology 41:649-658

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Anisole, 2,3,4,5,6-pentachloro- (8 CI)
Benzene, pentachloromethoxy- (9 CI)
1825-21-4
C7-H3-C15-O
MW 280.35
Trout, rainbow
SALMO GAIRDNERI

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1519 Liver		Radiometry GC/MS	6	a) Not given b) Not given c) Not given d) Not given e) Not given	a) 2.3 ug/g b) 2.5 ug/g c) 4.0 ug/g d) 3.1 ug/g e) 3.2 ug/g Estimated from graph	a) 1 hr b) 2 hr c) 4 hr d) 8 hr e) 12 hr Exposure times to 0.024 mg[C14]PCA/l Fish wt 8-10 g WISCONSIN; ADIPOSE TISSUE; BILE; BLOOD; LIVER; MUSCLES; BIOACCUMULATION; FISHES; METABOLITES; CHLORINE ORGANIC COMPOUNDS; PENTACHLOROPHENOL	Glickman, A.H. Statham, C.M. Wu, A. Lech, J.J. 1977 Toxicology and Applied Pharmacology 41:649-658
1520 Muscle		Radiometry GC/MS	6	a) Not given b) Not given c) Not given d) Not given e) Not given	a) 1.1 ug/g b) 1.8 ug/g c) 2.2 ug/g d) 2.2 ug/g e) 2.5 ug/g Estimated from graph	a) 1 hr b) 2 hr c) 4 hr d) 8 hr e) 12 hr Exposure times to 0.024 mg[C14]PCA/l Fish wt 8-10 g WISCONSIN; ADIPOSE TISSUE; BILE; BLOOD; LIVER; MUSCLES; BIOACCUMULATION; FISHES; METABOLITES; CHLORINE ORGANIC COMPOUNDS; PENTACHLOROPHENOL	Glickman, A.H. Statham, C.M. Wu, A. Lech, J.J. 1977 Toxicology and Applied Pharmacology 41:649-658

Antimony
7440-36-0
Sb
AtW 121.75, MP 630 C, BP 1635 C, VP 1 mm Hg at 886 C, 10 mm Hg at 960 C
Clam
RANGIA CUNEATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1521 Body		AAS	42	Not given	<0.05 ug/g wet wt	Composite samples, adults collected 12/78 prior to operation of ore refinery Mississippi, St. Louis Bay (NW) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Antimony
7440-36-0
Sb
AtW 121.75, MP 630 C, BP 1635 C, VP 1 mm Hg at 886 C, 10 mm Hg at 960 C
Oyster
CRASSOSTREA VIRGINICA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1522 Body		AAS		Not given	<0.05 ug/g wet wt	Collected 12/78 prior to operation of ore refinery. Shucked wet wt 4.5-11.7 g Mississippi, St. Louis Bay (NW) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Arochlor 1242 (No postings in CHEMLINE).
53469-21-9
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Scallop
ARQUIPECTEN IRRADIANS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1523 Body		GC-EC		Not given	0.093X10(E-6) g/g dry wt	Collected 3/78 in industrially polluted waters Massachusetts, Buzzards Bay, Cleveland Ledge Light MOLLUSKS; MASSACHUSETTS; BODY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION; INDUSTRIAL EMISSIONS; WATER POLLUTION	Hatch, W.I. Allen, D.W. Brady, P.D. Davis, A.C. Farrington, J.W. 1981 Pesticides Monitoring Journal 15(3):123-127

Arochlor 1254
11097-69-1
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Cattle
BOS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1524 Adipose	Ingestion	GC-EC	a) 1 b) 1 c) 1	a) Not applicable b) Not applicable c) Not applicable	a) 18.1 ug/g b) 0.65 ug/g c) 130.6 ug/g	a) Contaminated silage b) Clean silage c) Clean silage + 200 mg Arochlor 1254/day Samples from fetuses (age 6-9 mo, wt 23-34 kg) removed from cows after 130 treatment days Mothers, crossbred (Hereford X Simmental) beef cows, more than 6 mo from parturition before treatment CATTLE; BIOACCUMULATION; PREGNANCY; POLYCHLORINATED BIPHENYLS; ADIPOSE TISSUE; LIVER; MILK; THYROID GLANDS; INDIANA; ADULTS; FETUS	Perry, T.W. Everson, R.J. Hendrix, K.S. Peterson, R.C. Robinson, F.R. 1983 Trace Substances in Environmental Health-XVI. Proceedings of the Annual Conference on Trace Substances in Environmental Health held at the University of Missouri, Columbia, Missouri, May 31-June 3, 1982

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Arochlor 1254
11097-69-1
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Cattle
BOS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1525 Liver	Ingestion	GC-EC	a) 1 b) 1 c) 1	a) Not applicable b) Not applicable c) Not applicable	a) 4.7 ug/g b) 3.6 ug/g c) 54.1 ug/g	a) Contaminated silage b) Clean silage c) Clean silage + 200 mg Arochlor 1254/day Samples from fetuses (age 8-9 mo, wt 23-34 kg) removed from cows after 130 treatment days Mothers, crossbred (Hereford X Simmental) beef cows, more than 6 mo from parturition before treatment CATTLE; BIOACCUMULATION; PREGNANCY; POLYCHLORINATED BIPHENYLS; ADIPOSE TISSUE; LIVER; MILK; THYROID GLANDS; INDIANA; ADULTS; FETUS	Perry, T.W. Everson, R.J. Hendrix, K.S. Peterson, R.C. Robinson, F.R. 1983 Trace Substances in Environmental Health-XVI. Proceedings of the Annual Conference on Trace Substances in Environmental Health held at the University of Missouri, Columbia, Missouri, May 31-June 3, 1982
1526 Milk		GC-EC	a) 1 b) 1 c) 1	a) Not applicable b) Not applicable c) Not applicable	a) 8.5 ug/g b) 0.54 ug/g c) 96.4 ug/g	a) Contaminated silage b) Clean silage c) Clean silage + 200 mg Arochlor 1254/day Colostrum, 1 day after parturition. 130 exposure days. Crossbred (Hereford X Simmental) beef cows CATTLE; BIOACCUMULATION; PREGNANCY; POLYCHLORINATED BIPHENYLS; ADIPOSE TISSUE; LIVER; MILK; THYROID GLANDS; INDIANA; ADULTS; FETUS	Perry, T.W. Everson, R.J. Hendrix, K.S. Peterson, R.C. Robinson, F.R. 1983 Trace Substances in Environmental Health-XVI. Proceedings of the Annual Conference on Trace Substances in Environmental Health held at the University of Missouri, Columbia, Missouri, May 31-June 3, 1982
1527 Thyroid	Ingestion	GC-EC	a) 1 b) 1 c) 1	a) Not applicable b) Not applicable c) Not applicable	a) 19.4 ug/g b) 2.3 ug/g c) 121.1 ug/g	a) Contaminated silage b) Clean silage c) Clean silage + 200 mg Arochlor 1254/day Samples from fetuses (age 8-9 mo, wt 23-34 kg) removed from cows after 130 treatment days Mothers, crossbred (Hereford X Simmental) beef cows, more than 6 mo from parturition before treatment CATTLE; BIOACCUMULATION; PREGNANCY; POLYCHLORINATED BIPHENYLS; ADIPOSE TISSUE; LIVER; MILK; THYROID GLANDS; INDIANA; ADULTS; FETUS	Perry, T.W. Everson, R.J. Hendrix, K.S. Peterson, R.C. Robinson, F.R. 1983 Trace Substances in Environmental Health-XVI. Proceedings of the Annual Conference on Trace Substances in Environmental Health held at the University of Missouri, Columbia, Missouri, May 31-June 3, 1982

Arochlor 1254
11097-69-1
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Clam
MERCENARIA MERCENARIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1528 Body		GC-EC		a) 0.232X10(E-6) - 4.19X10(E-6) g/g b) Not applicable Dry wt Range of means	a) 1.192X10(E-6) g/g b) 0.008X10(E-6) g/g Dry wt Mean of means	a) New Bedford Harbor, 12 sampling stations b) Westport Harbor, 1 sampling station (control) Pooled samples of shucked clams with mantle cavity. Size 37-106 mm. Collected 3/78 in waters polluted by chronic releases from electrical component industry. High levels of di-, tri-, and tetrachlorobiphenyls Massachusetts, Buzzards Bay, New Bedford Harbor Massachusetts, Westport Harbor MOLLUSKS; MASSACHUSETTS; BODY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION; INDUSTRIAL EMISSIONS; WATER POLLUTION	Hatch, W.I. Allen, D.W. Brady, P.D. Davis, A.C. Farrington, J.W. 1981 Pesticides Monitoring Journal 15(3):123-127

Arochlor 1254
11097-69-1
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Dove, ring
STREPTOPELIA RISORIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1529 Brain		GC-EC	a) 18 b) 6 c) 6 d) 6	a) Not detected b) Not given c) Not given d) Not given	a) Not applicable b) <0.01 ppm c) 2.82 +or- 0.29 ppm d) 18.30 +or- 2.40 ppm Wet wt	a) Controls b) 1 ppm c) 10 ppm d) 100 ppm Dietary levels for 8 wk Healthy adults Weight loss Highly significant decrease of dopamine and norepinephrine levels with increasing Arochlor 1254 levels. Increased liver weight and depressed hematocrit at 100 ppm BIRDS; MARYLAND; ADULTS; BRAIN; DDE; DIELDRIN; BIOACCUMULATION	Heinz, G.H. Hill, E.F. Contrera, J.F. 1986 Toxicology and Applied Pharmacology 53:75-82

Arochlor 1254
11097-69-1
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Oyster
CRASSOSTREA VIRGINICA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1530 Body		GC-EC		0.56X10(E-6)-2.57X10(E-6) g/g dry wt Range of means	1.72X10(E-6) g/g dry wt Mean of means	Pooled samples Collected 3/78 at 4 sampling stations in industrially polluted waters. High levels of di-, tri-, and tetrachlorobipheanyls Massachusetts, Buzzards Bay, Slocum River Estuary MOLLUSKS; MASSACHUSETTS; BODY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION; INDUSTRIAL EMISSIONS; WATER POLLUTION	Hatch, W.I. Allen, D.W. Brady, F.D. Davis, A.C. Farrington, J.W. 1981 Pesticides Monitoring Journal 15(3):123-127

Arochlor 1254
11097-69-1
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Scallop
ARQUIPECTEN IRRADIANS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1531 Body		GC-EC		Not given	0.185X10(E-6) g/g dry wt	Collected 3/78 in industrially polluted waters Massachusetts, Buzzards Bay, Cleveland Ledge Light MOLLUSKS; MASSACHUSETTS; BODY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION; INDUSTRIAL EMISSIONS; WATER POLLUTION	Hatch, W.I. Allen, D.W. Brady, F.D. Davis, A.C. Farrington, J.W. 1981 Pesticides Monitoring Journal 15(3):123-127

Arochlor 1260
11096-82-5
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Bat, gray
MYOTIS GRISESCENS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1532 Body		GC	a) 12 b) 8	a) 71-425 ppm b) 86-1000 ppm Lipid wt	a) 163 ppm b) 295 ppm Lipid wt Geometric means	a) 1976, juveniles, mean fat content 6.4% b) 1977, juveniles and adults, mean fat content 3.9% Found dead beneath maternity roost in cave Missouri, Franklin County BATS; JUVENILES; MISSOURI; ADULTS; BODY; BRAIN; BIOACCUMULATION; PESTICIDE RESIDUES; CHLORINE ORGANIC COMPOUNDS; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; MONACHLOR; POLYCHLORINATED BIPHENYLS	Clark, D.R., Jr. LaVal, R.K. Krynitsky, A.J. 1980 Pesticides Monitoring Journal 13(4):137-140
1533 Brain		GC	a) 12 b) 8	a) Not detected b) Not detected-9.3 ppm Wet wt	a) Not detected b) Not given	a) 1976, juveniles b) 1977, juveniles and adults, 4 with residue Found dead beneath maternity roost in cave Missouri, Franklin County BATS; JUVENILES; MISSOURI; ADULTS; BODY; BRAIN; BIOACCUMULATION; PESTICIDE RESIDUES; CHLORINE ORGANIC COMPOUNDS; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; MONACHLOR; POLYCHLORINATED BIPHENYLS	Clark, D.R., Jr. LaVal, R.K. Krynitsky, A.J. 1980 Pesticides Monitoring Journal 13(4):137-140

Arochlor 1260
11096-82-5
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Cattle
BOS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1534 Adipose		GC-EC	7	170-1900 ppm	924 ppm	Omental, perirenal and subcutaneous fat. Previously taken tailhead fat biopsy levels 120-2200 ppm Feedlot steers CATTLE; IOWA; ADULTS; ADIPOSE TISSUE; HEART; KIDNEYS; LIVER; LUNGS; MUSCLES; SPLEEN; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Osheim, D.L. Ross, P.F. Nelson, M.A. 1982 Bulletin of Environmental Contamination and Toxicology 28:716-717

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Arochlor 1260
11096-82-5
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Cattle
BOS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1535 Heart		GC-EC	8	2-26 ppm	9.4 ppm	Previously taken tailhead fat biopsy levels 120-2200 ppm Feedlot steers CATTLE; IOWA; ADULTS; ADIPOSE TISSUE; HEART; KIDNEYS; LIVER; LUNGS; MUSCLES; SPLEEN; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Osheim, D.L. Ross, P.F. Nelson, M.A. 1982 Bulletin of Environmental Contamination and Toxicology 28:716-717
1536 Kidney		GC-EC	8	1.8-7.5 ppm	4.8 ppm	Previously taken tailhead fat biopsy levels 120-2200 ppm Feedlot steers CATTLE; IOWA; ADULTS; ADIPOSE TISSUE; HEART; KIDNEYS; LIVER; LUNGS; MUSCLES; SPLEEN; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Osheim, D.L. Ross, P.F. Nelson, M.A. 1982 Bulletin of Environmental Contamination and Toxicology 28:716-717
1537 Liver		GC-EC	8	2.7-36 ppm	11.9 ppm	Previously taken tailhead fat biopsy levels 120-2200 ppm Feedlot steers CATTLE; IOWA; ADULTS; ADIPOSE TISSUE; HEART; KIDNEYS; LIVER; LUNGS; MUSCLES; SPLEEN; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Osheim, D.L. Ross, P.F. Nelson, M.A. 1982 Bulletin of Environmental Contamination and Toxicology 28:716-717
1538 Lung		GC-EC	7	1.9-8.5 ppm	3.8 ppm	Previously taken tailhead fat biopsy levels 120-2200 ppm Feedlot steers CATTLE; IOWA; ADULTS; ADIPOSE TISSUE; HEART; KIDNEYS; LIVER; LUNGS; MUSCLES; SPLEEN; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Osheim, D.L. Ross, P.F. Nelson, M.A. 1982 Bulletin of Environmental Contamination and Toxicology 28:716-717
1539 Muscle		GC-EC	8	1.4-26 ppm	10.5 ppm	Previously taken tailhead fat biopsy levels 120-2200 ppm Feedlot steers CATTLE; IOWA; ADULTS; ADIPOSE TISSUE; HEART; KIDNEYS; LIVER; LUNGS; MUSCLES; SPLEEN; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Osheim, D.L. Ross, P.F. Nelson, M.A. 1982 Bulletin of Environmental Contamination and Toxicology 28:716-717

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Arochlor 1260
11096-82-5
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Cattle
BOS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1560 Spleen		GC-EC	8	1.3-8.6 ppm	5.3 ppm	Previously taken tailhead fat biopsy levels 120-2200 ppm Feedlot steers CATTLE; IOWA; ADULTS; ADIPOSE TISSUE; HEART; KIDNEYS; LIVER; LUNGS; MUSCLES; SPLEEN; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Osheim, D.L. Ross, P.F. Nelson, M.A. 1982 Bulletin of Environmental Contamination and Toxicology 28:716-717

Arochlor 1260
11096-82-5
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Turtle, snapping
CHELYDRA SERPENTINA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1561 Adipose			a) 5 b) 4 c) 3 d) 2 e) 2 f) 1	a) 11.6-47.7 mg/kg b) 28.8-60.5 mg/kg c) 1.4-2.8 mg/kg d) Not applicable e) Not applicable f) Not applicable	a) 19.16 mg/kg b) 40.23 mg/kg c) 13.67 mg/kg d) 0.8 mg/kg e) <0.2 mg/kg f) 5.0 mg/kg	a) Mississippi River, St. Paul b) Mississippi River, Prairie Island c) Mississippi River, Lake City d) Reeds Lake, Waseca County e) Pomme de Terre River, Glenwood f) Silver Lake, Wright County 25-88% lipid. Length 5.5-15 in., wt 1.8-21.8 lb, estimated age 3->20 yr Minnesota TURTLES; CADMIUM; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION; BIOINDICATORS; ADIPOSE TISSUE; MUSCLES; MINNESOTA	Helwig, D.D. Hora, M.E. 1983 Bulletin of Environmental Contamination and Toxicology 30:186-190
1562 Muscle			a) 5 b) 4 c) 3 d) 2 e) 2 f) 1	a) <0.025-0.086 mg/kg b) <0.025-0.073 mg/kg c) Not applicable d) Not applicable e) Not applicable f) Not applicable	a) 0.041 mg/kg b) 0.042 mg/kg c) <0.025 mg/kg d) <0.025 mg/kg e) <0.025 mg/kg f) <0.025 mg/kg	a) Mississippi River, St. Paul b) Mississippi River, Prairie Island c) Mississippi River, Lake City d) Reeds Lake, Waseca County e) Pomme de Terre River, Glenwood f) Silver Lake, Wright County Red meat <0.05-0.68% lipid. Length 5.5-15 in., wt 1.8-21.8 lb, estimated age 3->20 yr Minnesota TURTLES; CADMIUM; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION; BIOINDICATORS; ADIPOSE TISSUE; MUSCLES; MINNESOTA	Helwig, D.D. Hora, M.E. 1983 Bulletin of Environmental Contamination and Toxicology 30:186-190

Arsenic
7440-38-2
As
AtW 74.9216, MP 817 C at 28 atm, BP 613 C (sublimes), VP 1 mm Hg at 380 C, 10 mm Hg at 440 C
Bluefish, marine
POMATOMUS SALTATRIX

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1543 Muscle		AAS	a) 1-3 b) 1 c) 1 d) 1	a) Not given b) Not given c) Not given d) Not given	a) 2.9 +or- 0.9 ug/g b) 3.2 +or- 0.6 ug/g c) 4.0 +or- 0.9 ug/g d) 2.7 +or- 0.1 ug/g Dry wt	a) Stainless steel b) Titanium c) Lexan plastic d) Teflon-coated stainless steel Dissecting tool materials Dorsal muscle, fish wt 917-20 g, length 43.5-44.2 cm Virginia, Nemore TELLURIUM; MOLLUSKS, NEW YORK; BODY; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION; FISHES	Heit, M. Klusek, C.S. 1982 Science of the Total Environment 24:129-134

Arsenic
7440-38-2
As
AtW 74.9216, MP 817 C at 28 atm, BP 613 C (sublimes), VP 1 mm Hg at 380 C, 10 mm Hg at 440 C
Cattle
BOS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1544 Kidney						Review Literature values are tabulated for healthy and As-poisoned animals In cases of acute poisoning extreme weakness, trembling, staggering gait, diarrhea, violent colic, rapid pulse, normal temperature, dehydration, ruminal atony, intense thirst, death after 2-3 days. Debilitated or dehydrated animals more susceptible Inflammation and hemorrhaging of gastric mucosa, edema of submucosa, fluid gastrointestinal contents, soft yellow liver CATTLE; VIRGINIA; METAL POISONING; KIDNEYS; LIVER; MILK; REVIEW; BIOACCUMULATION; ARSENIC	Sahli, H.P. 1982 Veterinary and Human Toxicology 24:173-174

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Arsenic
7440-38-2
As
AtW 74.9216, MP 817 C at 28 atm, BP 613 C (sublimes), VP 1 mm Hg at 380 C, 10 mm Hg at 440 C
Cattle
BOS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1545 Kidney		AAS	177	<0.02-0.20 mg/kg wet wt	0.03 +or- 0.04 mg/kg wet wt	From abattoirs in 10 selected 100-sq km areas representing a cross-section of industries. 117 samples below detection limit. Australia, Queensland CATTLE; AUSTRALIA; KIDNEYS; LIVER; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; SELENIUM; ZINC; BIOACCUMULATION; INDUSTRIAL AREAS	Kramer, H.L. Steiner, J.W. Valley, P.J. 1983 Bulletin of Environmental Contamination and Toxicology 30:588-594
1546 Liver						Review Literature values are tabulated for healthy and As-poisoned animals In cases of acute poisoning extreme weakness, trembling, staggering gait, diarrhea, violent colic, rapid pulse, normal temperature, dehydration, ruminal atony, intense thirst, death after 2-3 days. Debilitated or dehydrated animals more susceptible Inflammation and hemorrhaging of gastric mucosa, edema of submucosa, fluid gastrointestinal contents, soft yellow liver CATTLE; VIRGINIA; METAL POISONING; KIDNEYS; LIVER; MILK; REVIEW; BIOACCUMULATION; ARSENIC	Sahli, H.F. 1982 Veterinary and Human Toxicology 24:173-174
1547 Liver		AAS	179	<0.02-0.09 mg/kg wet wt	Not given	From abattoirs in 10 selected 100-sq km areas representing a cross-section of industries. 161 samples below detection limit. Australia, Queensland CATTLE; AUSTRALIA; KIDNEYS; LIVER; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; SELENIUM; ZINC; BIOACCUMULATION; INDUSTRIAL AREAS	Kramer, H.L. Steiner, J.W. Valley, P.J. 1983 Bulletin of Environmental Contamination and Toxicology 30:588-594

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Arsenic
7440-38-2
As
AtW 74.9216, MP 817 C at 28 atm, BP 613 C (sublimes), VP 1 mm Hg at 380 C, 10 mm Hg at 440 C
Cattle
BOS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1548 Milk						Review Literature values are tabulated for healthy and As-poisoned animals In cases of acute poisoning extreme weakness, trembling, staggering gait, diarrhea, violent colic, rapid pulse, normal temperature, dehydration, ruminal atony, intense thirst, death after 2-3 days. Debilitated or dehydrated animals more susceptible Inflammation and hemorrhaging of gastric mucosa, edema of submucosa, fluid gastrointestinal contents, soft yellow liver CATTLE; VIRGINIA; METAL POISONING; KIDNEYS; LIVER; MILK; REVIEW; BIOACCUMULATION; ARSENIC	Sahli, H.P. 1982 Veterinary and Human Toxicology 24:173-174
1549 Muscle		AAS	181	<0.02-0.20 mg/kg wet wt	Not given	From abattoirs in 10 selected 100-sq km areas representing a cross-section of industries. 144 samples below detection limit. Australia, Queensland CATTLE; AUSTRALIA; KIDNEYS; LIVER; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; SELENIUM; ZINC; BIOACCUMULATION; INDUSTRIAL AREAS	Kramer, H.L. Steiner, J.W. Valley, P.J. 1983 Bulletin of Environmental Contamination and Toxicology 30:588-594

Arsenic
7440-38-2
As
AtW 74.9216, MP 817 C at 28 atm, BP 613 C (sublimes), VP 1 mm Hg at 380 C, 10 mm Hg at 440 C
Clam
RANGIA CUNEATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1550 Body		AAS	42	Not given	0.656 ug/g wet wt	Composite samples, adults collected 12/78 prior to operation of ore refinery Mississippi, St. Louis Bay (MW) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Arsenic
7440-38-2
As
AtW 74.9216, MP 817 C at 28 atm, BP 613 C (sublimes), VP 1 mm Hg at 380 C, 10 mm Hg at 440 C
Drum, red
SCIAENOPS OCELLATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1551 Gills		AAS	a) 1 b) 2	a) Not applicable b) Not given	a) 1.5 ppm b) 1.0 +or- 0.3 ppm Wet wt	a) Diseased, part of mass kill 6-7/80. Length 93 cm, wt 14 kg b) Controls, length 66 and 69 cm, wt 3.9 and 4.6 kg Florida, Titusville, Indian River and Mosquito Lagoon Lethargy, incoordination, death Elevated serum electrolyte concentrations, edematous gills, excessive mucus secretion GILLS; FLORIDA; ADULTS; METAL POISONING; KIDNEYS; LIVER; ARSENIC; CADMIUM; CHROMIUM; COPPER; MERCURY; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cardeilhac, P.T. Simpson, C.F. White, F.H. Thompson, N.P. Carr, W.H. 1981 Bulletin of Environmental Contamination and Toxicology 27:639-644

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Arsenic
7440-38-2
As
AtW 74.9216, MP 817 C at 28 atm, BP 613 C (sublimes), VP 1 mm Hg at 380 C, 10 mm Hg at 440 C
Drum, red
SCIAENOPS OCELLATA

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1552 Kidney		AAS	a) 1 b) 2	a) Not applicable b) Not given	a) 0.8 ppm b) 1.4 +or- 0.1 ppm Wet wt	a) Diseased, part of mass kill 6-7/80. Length 93 cm, wt 14 kg b) Controls, length 66 and 69 cm, wt 3.9 and 4.6 kg Florida, Titusville, Indian River and Mosquito Lagoon Lethargy, incoordination, death Elevated serum electrolyte concentrations, edematous gills, excessive mucus secretion GILLS; FLORIDA; ADULTS; METAL POISONING; KIDNEYS; LIVER; ARSENIC; CADMIUM; CHROMIUM; COPPER; MERCURY; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cardeilhac, P.T. Simpson, C.F. White, F.H. Thompson, N.P. Carr, W.E. 1981 Bulletin of Environmental Contamination and Toxicology 27:639-644
1553 Liver		AAS	a) 2 b) 2	a) Not given b) Not given	a) 8.2 +or- 1.1 ppm b) 2.8 +or- 0.3 ppm Wet wt	a) Diseased, part of mass kill 6-7/80. Length 93 cm, wt 14 kg b) Controls, length 66 and 69 cm, wt 3.9 and 4.6 kg Florida, Titusville, Indian River and Mosquito Lagoon Lethargy, incoordination, death Elevated serum electrolyte concentrations, edematous gills, excessive mucus secretion GILLS; FLORIDA; ADULTS; METAL POISONING; KIDNEYS; LIVER; ARSENIC; CADMIUM; CHROMIUM; COPPER; MERCURY; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cardeilhac, P.T. Simpson, C.F. White, F.H. Thompson, N.P. Carr, W.E. 1981 Bulletin of Environmental Contamination and Toxicology 27:639-644

Arsenic
7440-38-2
As
AtW 74.9216, MP 817 C at 28 atm, BP 613 C (sublimes), VP 1 mm Hg at 380 C, 10 mm Hg at 440 C
Mussel
MYTILUS EDULIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1554 Body		AAS	a) 12 b) 12 c) 8	a) Not given b) Not given c) Not given	a) 5 +or- 1 ug/g b) 3 +or- 1 ug/g c) 2 +or- 1 ug/g Wet wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Soft tissue wet wt 2.7-20.4 g Maine MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Heit, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207

Arsenic
7440-38-2
As
AtW 74.9216, MP 817 C at 28 atm, BP 613 C (sublimes), VP 1 mm Hg at 380 C, 10 mm Hg at 440 C
Mussel, freshwater
ELIPTIO COMPLANATUS, LAMPSILUS RADIATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1555 Body		AAS	a) Several 100 b) 36	a) Not given b) Not given	a) 0.8 +or- 0.6 ug/g b) 0.3 +or- 0.2 ug/g Dry wt	a) Homogenized in food processor with stainless-steel blades b) Unhomogenized Soft tissues, mussels wet wt 2-12 g New York, Lake George TELLURIUM; MOLLUSKS; NEW YORK; BODY; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION; FISHES	Heit, M. Klusek, C.S. 1982 Science of the Total Environment 24:129-134

Arsenic
7440-38-2
As
AtW 74.9216, MP 817 C at 28 atm, BP 613 C (sublimes), VP 1 mm Hg at 380 C, 10 mm Hg at 440 C
Oyster
OSTREA EDULIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1556 Body		AAS	11	6.9-10.7 ppm dry wt	9.1 ppm dry wt Geometric mean	Collected 10/80 in estuary draining mineralized catchment area Commercial size oysters United Kingdom, Lyuher Estuary MOLLUSKS; UNITED KINGDOM; BODY; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION; WATER POLLUTION	Bland, S. Ackroyd, D.R. Marsh, J.G. Millward, G.E. 1982 Science of the Total Environment 22:235-241
1557 Body		AAS		Not given	0.122 ug/g wet wt	Collected 12/78 prior to operation of ore refinery. Shucked wet wt 4.5-11.7 g Mississippi, St. Louis Bay (SW) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Arsenic
7440-38-2
As
AtW 74.9216, MP 817 C at 28 atm, BP 613 C (sublimes), VP 1 mm Hg at 380 C, 10 mm Hg at 440 C
Plaice
PLEURONECTES PLATESSA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1558 Eggs		TLC MS	7	1.3-17 mg/kg	8.1 mg/kg Mean of means	Collected 1975/80 Netherlands MILT; EGGS; NETHERLANDS; LIVER; MUSCLES; BIOACCUMULATION; ARSENIC; FISHES	Luten, J.B. Riekwel-Booy, G. Rauchbar, A. 1982 Environmental Health Perspectives 45:165-170

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Arsenic
7440-38-2
As
AtW 74.9216, MP 817 C at 28 atm, BP 613 C (sublimes), VP 1 mm Hg at 380 C, 10 mm Hg at 440 C
Plaice
PLEURONECTES PLATESSA

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1559 Liver		TLC MS	18	1.3-431 mg/kg	88.6 mg/kg Mean of means	Collected 1979/80 Netherlands MILT; EGGS; NETHERLANDS; LIVER; MUSCLES; BIOACCUMULATION; ARSENIC; FISHES	Luten, J.B. Riekwel-Booy, G. Rauchbar, A. 1982 Environmental Health Perspectives 45:165-170
1560 Milt		TLC MS	11	1.9-72 mg/kg	8.1 mg/mg Mean of means	Collected 1979/80 Netherlands MILT; EGGS; NETHERLANDS; LIVER; MUSCLES; BIOACCUMULATION; ARSENIC; FISHES	Luten, J.B. Riekwel-Booy, G. Rauchbar, A. 1982 Environmental Health Perspectives 45:165-170
1561 Muscle		TLC MS	255	3-166 mg/kg	23 mg/kg Mean of means	Fillet, collected 1979/80 Netherlands MILT; EGGS; NETHERLANDS; LIVER; MUSCLES; BIOACCUMULATION; ARSENIC; FISHES	Luten, J.B. Riekwel-Booy, G. Rauchbar, A. 1982 Environmental Health Perspectives 45:165-170

Arsenic
7440-38-2
As
AtW 74.9216, MP 817 C at 28 atm, BP 613 C (sublimes), VP 1 mm Hg at 380 C, 10 mm Hg at 440 C
Trout, rainbow
SALMO GAIRDNERI

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1562 Body	Ingestion	Radiometry	a) 5 b) 5 c) 5 d) 5 e) 6 f) 8	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given	a) 0.40 ug/g b) 1.00 ug/g c) 0.50 ug/g d) 0.63 ug/g e) 29.7% of dose f) 28.3% of dose	a) 7 days b) 14 days c) 21 days d) 28 days Times exposed to 22.8 mg/kg diet e) Preexposed to 5.7 mg/kg diet for 2 wk followed by 10 ng As/100 g body wt f) Preexposed to 22.8 mg/kg diet for 2 wk followed by 10 ng As/100 g body wt Measured as As 74. Decreased retention in preexposure group Initial wt 21 g BIOACCUMULATION; FISHES; ARSENIC; BODY; CANADA	Oladimeji, A.A. Qadri, S.U. deFreitas, A.S.W. 1982 Ecotoxicology and Environmental Safety 6:196-203

Arsenic
7440-38-2
As
AtW 74.9216, MP 817 C at 28 atm, BP 613 C (sublimes), VP 1 mm Hg at 380 C, 10 mm Hg at 440 C
Whiting
MERLUCCIUS BILINARIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1563 Liver		AAS	a) 10 b) 10 c) 10	a) Not given b) Not given c) Not given	a) 3 +or- 1 ug/g b) 3 +or- 1 ug/g c) 3 +or- 1 ug/g Dry wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Mean wt 330 g, mean length 16 cm New York Bight, Rockaway Inlet MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Walt, H. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207

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Arsenic
7440-38-2
As
AtW 74.9216, MP 817 C at 28 atm, BP 613 C (sublimes), VP 1 mm Hg at 380 C, 10 mm Hg at 440 C
Whiting
MERLUCCIUS BILINARIS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1564 Muscle		AAS	a) 10 b) 10 c) 10	a) Not given b) Not given c) Not given	a) 3 +or- 1 ug/g b) 2 +or- 1 ug/g c) 3 +or- 1 ug/g Dry wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Mean wt 330 g, mean length 36 cm New York Bight, Rockaway Inlet MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Holt, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207

Benzamide, N-(((4-chlorophenyl)amino)carbonyl-2,6-difluoro-
35367-38-5
C14-H9-Cl-F2-N2-O2
MW 310.68, MP 210-230 C, 239 C
Chicken
GALLUS GALLUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1565 Adipose	Ingestion	Radiometry	a) 4 b) 4	a) Not given b) Not given	a) 0.01 ppm b) 0.04 ppm Wet wt	a) White Leghorn, 12 days after 5 mg/kg (25 uCi) [C14]diflubenzuron, age 36 wk b) Rhode Island Red/Barred Plymouth Rock, 13 days after 5 mg/kg (5 uCi) [C14]diflubenzuron, age 46 wk BIRDS; EGGS; GIZZARD; CHLORINE ORGANIC COMPOUNDS; FLUORINE COMPOUNDS; INSECTICIDES; BIOACCUMULATION; METABOLISM; METABOLITES; ADIPOSE TISSUE; BRAIN; HEART; INTESTINES; KIDNEYS; LIVER; MUSCLES; OVARIES; MARYLAND	Opdycke, J.C. Miller, R.W. Menzer, R.E. 1982 Journal of Agricultural and Food Chemistry 30:1227-1233

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Benzamide, N-(((4-chlorophenyl)amino)carbonyl-2,6-difluoro-
35367-38-5
C14-H9-Cl-F2-N2-O2
MW 310.68, MP 210-230 C, 239 C
Chicken
GALLUS GALLUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1566 Brain	Ingestion	Radiometry	a) 4 b) 4	a) Not detected b) Not given	a) Not detected b) 0.25 ppm Wet wt	a) White Leghorn, 12 days after 5 mg/kg (25 uCi) [C14]diflubenzuron, age 36 wk b) Rhode Island Red/Barred Plymouth Rock, 13 days after 5 mg/kg (5 uCi) [C14]diflubenzuron, age 46 wk BIRDS; EGGS; GIZZARD; CHLORINE ORGANIC COMPOUNDS; FLUORINE COMPOUNDS; INSECTICIDES; BIOACCUMULATION; METABOLISM; METABOLITES; ADIPOSE TISSUE; BRAIN; HEART; INTESTINES; KIDNEYS; LIVER; MUSCLES; OVARIES; MARYLAND	Opdycke, J.C. Miller, R.W. Wenzer, R.H. 1982 Journal of Agricultural and Food Chemistry 30:1227-1233
1567 Eggs	Ingestion	Radiometry	3-6 eggs/day	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given j) Not given	a) 0.083 +or- 0.025 ppm b) 0.248 +or- 0.133 ppm c) 0.159 +or- 0.011 ppm d) 0.098 +or- 0.010 ppm e) 0.013 +or- 0.004 ppm f) 0.012 +or- 0.011 ppm g) 0.090 +or- 0.030 ppm h) 0.161 +or- 0.019 ppm i) 0.097 +or- 0.022 ppm j) 0.043 +or- 0.010 ppm	a) 1 day b) 3 days c) 6 days d) 8 days e) 10 days f) 1 day g) 3 days h) 6 days i) 8 days j) 10 days Times after 5 mg/kg [C14]diflubenzuron, a)-e) White Leghorn, age 36 wk, f)-j) Rhode Island/Barred Plymouth Rock, age 46 wk BIRDS; EGGS; GIZZARD; CHLORINE ORGANIC COMPOUNDS; FLUORINE COMPOUNDS; INSECTICIDES; BIOACCUMULATION; METABOLISM; METABOLITES; ADIPOSE TISSUE; BRAIN; HEART; INTESTINES; KIDNEYS; LIVER; MUSCLES; OVARIES; MARYLAND	Opdycke, J.C. Miller, R.W. Wenzer, R.H. 1982 Journal of Agricultural and Food Chemistry 30:1227-1233
1568 Gizzard	Ingestion	Radiometry	a) 4 b) 4	a) Not given b) Not given	a) 0.01 ppm b) 0.04 ppm Wet wt	a) White Leghorn, 12 days after 5 mg/kg (25 uCi) [C14]diflubenzuron, age 36 wk b) Rhode Island Red/Barred Plymouth Rock, 13 days after 5 mg/kg (5 uCi) [C14]diflubenzuron, age 46 wk BIRDS; EGGS; GIZZARD; CHLORINE ORGANIC COMPOUNDS; FLUORINE COMPOUNDS; INSECTICIDES; BIOACCUMULATION; METABOLISM; METABOLITES; ADIPOSE TISSUE; BRAIN; HEART; INTESTINES; KIDNEYS; LIVER; MUSCLES; OVARIES; MARYLAND	Opdycke, J.C. Miller, R.W. Wenzer, R.H. 1982 Journal of Agricultural and Food Chemistry 30:1227-1233

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Benzamide, N-(((4-chlorophenyl)amino)carbonyl-2,6-difluoro-
35367-38-5
C14-H9-Cl-F2-N2-O2
MW 310.68, MP 210-230 C, 239 C
Chicken
GALLUS GALLUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1569 Heart	Ingestion	Radiometry	a) 4 b) 4	a) Not given b) Not detected	a) 0.01 ppm b) Not detected Wet wt	a) White Leghorn, 12 days after 5 mg/kg (25 uCi) [C14]diflubenzuron, age 36 wk b) Rhode Island Red/Barred Plymouth Rock, 13 days after 5 mg/kg (5 uCi) [C14]diflubenzuron, age 46 wk BIRDS; EGGS; GIZZARD; CHLORINE ORGANIC COMPOUNDS; FLUORINE COMPOUNDS; INSECTICIDES; BIOACCUMULATION; METABOLISM; METABOLITES; ADIPOSE TISSUE; BRAIN; HEART; INTESTINES; KIDNEYS; LIVER; MUSCLES; OVARIES; MARYLAND	Opdycke, J.C. Miller, R.W. Nemzer, R.E. 1982 Journal of Agricultural and Food Chemistry 30:1227-1233
1570 Intestine	Ingestion	Radiometry	a) 4 b) 4	a) Not given b) Not detected	a) 0.01 ppm b) Not detected Wet wt	a) White Leghorn, 12 days after 5 mg/kg (25 uCi) [C14]diflubenzuron, age 36 wk b) Rhode Island Red/Barred Plymouth Rock, 13 days after 5 mg/kg (5 uCi) [C14]diflubenzuron, age 46 wk Intestine and contents BIRDS; EGGS; GIZZARD; CHLORINE ORGANIC COMPOUNDS; FLUORINE COMPOUNDS; INSECTICIDES; BIOACCUMULATION; METABOLISM; METABOLITES; ADIPOSE TISSUE; BRAIN; HEART; INTESTINES; KIDNEYS; LIVER; MUSCLES; OVARIES; MARYLAND	Opdycke, J.C. Miller, R.W. Nemzer, R.E. 1982 Journal of Agricultural and Food Chemistry 30:1227-1233
1571 Kidney	Ingestion	Radiometry	a) 4 b) 4	a) Not given b) Not given	a) 0.19 ppm b) 0.14 ppm Wet wt	a) White Leghorn, 12 days after 5 mg/kg (25 uCi) [C14]diflubenzuron, age 36 wk b) Rhode Island Red/Barred Plymouth Rock, 13 days after 5 mg/kg (5 uCi) [C14]diflubenzuron, age 46 wk BIRDS; EGGS; GIZZARD; CHLORINE ORGANIC COMPOUNDS; FLUORINE COMPOUNDS; INSECTICIDES; BIOACCUMULATION; METABOLISM; METABOLITES; ADIPOSE TISSUE; BRAIN; HEART; INTESTINES; KIDNEYS; LIVER; MUSCLES; OVARIES; MARYLAND	Opdycke, J.C. Miller, R.W. Nemzer, R.E. 1982 Journal of Agricultural and Food Chemistry 30:1227-1233

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Benzamide, N-(((4-chlorophenyl)amino)carbonyl-2,6-difluoro-
35367-38-5
C14-H9-Cl-F2-N2-O2
MW 310.68, MP 210-230 C, 239 C
Chicken
GALLUS GALLUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1572 Liver	Ingestion	Radiometry	a) 4 b) 4	a) Not given b) Not given	a) 0.06 ppm b) 0.15 ppm Wet wt	a) White Leghorn, 12 days after 5 mg/kg (25 uCi) [C14]diflubenzuron, age 36 wk b) Rhode Island Red/Barred Plymouth Rock, 13 days after 5 mg/kg (5 uCi) [C14]diflubenzuron, age 46 wk BIRDS; EGGS; GIZZARD; CHLORINE ORGANIC COMPOUNDS; FLUORINE COMPOUNDS; INSECTICIDES; BIOACCUMULATION; METABOLISM; METABOLITES; ADIPOSE TISSUE; BRAIN; HEART; INTESTINES; KIDNEYS; LIVER; MUSCLES; OVARIES; MARYLAND	Opdycke, J.C. Miller, R.W. Manzer, R.E. 1982 Journal of Agricultural and Food Chemistry 30:1227-1233
1573 Muscle	Ingestion	Radiometry	a) 4 b) 4	a) Not given b) Not given	a) 0.01 ppm b) 0.03 ppm Wet wt	a) White Leghorn, 12 days after 5 mg/kg (25 uCi) [C14]diflubenzuron, age 36 wk b) Rhode Island Red/Barred Plymouth Rock, 13 days after 5 mg/kg (5 uCi) [C14]diflubenzuron, age 46 wk Breast muscle BIRDS; EGGS; GIZZARD; CHLORINE ORGANIC COMPOUNDS; FLUORINE COMPOUNDS; INSECTICIDES; BIOACCUMULATION; METABOLISM; METABOLITES; ADIPOSE TISSUE; BRAIN; HEART; INTESTINES; KIDNEYS; LIVER; MUSCLES; OVARIES; MARYLAND	Opdycke, J.C. Miller, R.W. Manzer, R.E. 1982 Journal of Agricultural and Food Chemistry 30:1227-1233
1574 Ovary	Ingestion	Radiometry	a) 4 b) 4	a) Not given b) Not given	a) 0.16 ppm b) 0.09 ppm Wet wt	a) White Leghorn, 12 days after 5 mg/kg (25 uCi) [C14]diflubenzuron, age 36 wk b) Rhode Island Red/Barred Plymouth Rock, 13 days after 5 mg/kg (5 uCi) [C14]diflubenzuron, age 46 wk Ovary with internal eggs BIRDS; EGGS; GIZZARD; CHLORINE ORGANIC COMPOUNDS; FLUORINE COMPOUNDS; INSECTICIDES; BIOACCUMULATION; METABOLISM; METABOLITES; ADIPOSE TISSUE; BRAIN; HEART; INTESTINES; KIDNEYS; LIVER; MUSCLES; OVARIES; MARYLAND	Opdycke, J.C. Miller, R.W. Manzer, R.E. 1982 Journal of Agricultural and Food Chemistry 30:1227-1233

Benzamide, N-(((4-chlorophenyl)amino)carbonyl-2,6-difluoro-
35367-38-5
C14-H9-Cl-F2-N2-O2
MW 310.68, MP 210-230 C, 239 C
Swine
SUS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1575 Adipose	Ingestion	Radiometry	1	a) Not applicable b) Not applicable	a) 0.30 ,,m b) 0.20 ppm	a) Omental fat b) Subcutaneous fat 11 days after 5 mg/kg (405 uCi) [C14]diflubenzuron. Poland-China Duroc pig, age 16 wk, wt 46 kg SWINE; MARYLAND; ADIPOSE TISSUE; BLOOD; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; LYMPH NODES; MUSCLES; OVARIES; PANCREAS; STOMACH; URINE; CHLORINE ORGANIC COMPOUNDS; FLUORINE COMPOUNDS; INSECTICIDES; BIOACCUMULATION; METABOLISM; METABOLITES	Opdycke, J.C. Miller, R.W. Wenzer, R.E. 1982 Journal of Agricultural and Food Chemistry 30:1223-1227
1576 Blood	Ingestion	Radiometry	1	Not applicable	0.06 ppm	11 days after 5 mg/kg (405 uCi) [C14]diflubenzuron. Poland-China Duroc pig, age 16 wk, wt 46 kg SWINE; MARYLAND; ADIPOSE TISSUE; BLOOD; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; LYMPH NODES; MUSCLES; OVARIES; PANCREAS; STOMACH; URINE; CHLORINE ORGANIC COMPOUNDS; FLUORINE COMPOUNDS; INSECTICIDES; BIOACCUMULATION; METABOLISM; METABOLITES	Opdycke, J.C. Miller, R.W. Wenzer, R.E. 1982 Journal of Agricultural and Food Chemistry 30:1223-1227
1577 Brain	Ingestion	Radiometry	1	Not applicable	0.09 ppm	11 days after 5 mg/kg (405 uCi) [C14]diflubenzuron. Poland-China Duroc pig, age 16 wk, wt 46 kg SWINE; MARYLAND; ADIPOSE TISSUE; BLOOD; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; LYMPH NODES; MUSCLES; OVARIES; PANCREAS; STOMACH; URINE; CHLORINE ORGANIC COMPOUNDS; FLUORINE COMPOUNDS; INSECTICIDES; BIOACCUMULATION; METABOLISM; METABOLITES	Opdycke, J.C. Miller, R.W. Wenzer, R.E. 1982 Journal of Agricultural and Food Chemistry 30:1223-1227

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Benzamide, N-(((4-chlorophenyl)amino)carbonyl-2,6-difluoro-
35367-38-5
C14-H9-Cl-F2-N2-O2
MW 310.68, MP 210-230 C, 239 C
Swine
SUS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1578 Gall bladder	Ingestion	Radiometry	1	Not applicable	0.83 ppm	11 days after 5 mg/kg (405 uCi) [C14]diflubenzuron. Poland-China Duroc pig, age 16 wk, wt 46 kg SWINE; MARYLAND; ADIPOSE TISSUE; BLOOD; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; LYMPH NODES; MUSCLES; OVARIES; PANCREAS; STOMACH; URINE; CHLORINE ORGANIC COMPOUNDS; FLUORINE COMPOUNDS; INSECTICIDES; BIOACCUMULATION; METABOLISM; METABOLITES	Opdycke, J.C. Miller, R.W. Menzer R.R. 1982 Journal of Agricultural and Food Chemistry 30:1223-1227
1579 Heart	Ingestion	Radiometry	1	Not applicable	0.05 ppm	11 days after 5 mg/kg (405 uCi) [C14]diflubenzuron. Poland-China Duroc pig, age 16 wk, wt 46 kg SWINE; MARYLAND; ADIPOSE TISSUE; BLOOD; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; LYMPH NODES; MUSCLES; OVARIES; PANCREAS; STOMACH; URINE; CHLORINE ORGANIC COMPOUNDS; FLUORINE COMPOUNDS; INSECTICIDES; BIOACCUMULATION; METABOLISM; METABOLITES	Opdycke, J.C. Miller, R.W. Menzer, R.R. 1982 Journal of Agricultural and Food Chemistry 30:1223-1227
1580 Intestine	Ingestion	Radiometry	1	a) Not applicable b) Not applicable	a) 0.20 ppm b) 0.08 ppm	a) Large intestine b) Small intestine 11 days after 5 mg/kg (405 uCi) [C14]diflubenzuron. Poland-China Duroc pig, age 16 wk, wt 46 kg SWINE; MARYLAND; ADIPOSE TISSUE; BLOOD; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; LYMPH NODES; MUSCLES; OVARIES; PANCREAS; STOMACH; URINE; CHLORINE ORGANIC COMPOUNDS; FLUORINE COMPOUNDS; INSECTICIDES; BIOACCUMULATION; METABOLISM; METABOLITES	Opdycke, J.C. Miller, R.W. Menzer, R.R. 1982 Journal of Agricultural and Food Chemistry 30:1223-1227

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Benzamide, N-(((4-chlorophenyl)amino)carbonyl-2,6-difluoro-
35367-38-5
C14-H9-Cl-F2-N2-O2
MW 310.68, MP 210-230 C, 239 C
Swine
SUS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1581 Kidney	Ingestion	Radiometry	1	Not applicable	0.11 ppm	11 days after 5 mg/kg (405 uCi) [C14]diflubenzuron. Poland-China Duroc pig, age 16 wk, wt 46 kg SWINE; MARYLAND; ADIPOSE TISSUE; BLOOD; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; LYMPH NODES; MUSCLES; OVARIES; PANCREAS; STOMACH; URINE; CHLORINE ORGANIC COMPOUNDS; FLUORINE COMPOUNDS; INSECTICIDES; BIOACCUMULATION; METABOLISM; METABOLITES	Opdycke, J.C. Miller, R.W. Menzer, R.E. 1982 Journal of Agricultural and Food Chemistry 30:1223-1227
1582 Liver	Ingestion	Radiometry	1	Not applicable	0.23 ppm	11 days after 5 mg/kg (405 uCi) [C14]diflubenzuron. Poland-China Duroc pig, age 16 wk, wt 46 kg SWINE; MARYLAND; ADIPOSE TISSUE; BLOOD; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; LYMPH NODES; MUSCLES; OVARIES; PANCREAS; STOMACH; URINE; CHLORINE ORGANIC COMPOUNDS; FLUORINE COMPOUNDS; INSECTICIDES; BIOACCUMULATION; METABOLISM; METABOLITES	Opdycke, J.C. Miller, R.W. Menzer, R.E. 1982 Journal of Agricultural and Food Chemistry 30:1223-1227
1583 Lung	Ingestion	Radiometry	1	Not applicable	0.11 ppm	11 days after 5 mg/kg (405 uCi) [C14]diflubenzuron. Poland-China Duroc pig, age 16 wk, wt 46 kg SWINE; MARYLAND; ADIPOSE TISSUE; BLOOD; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; LYMPH NODES; MUSCLES; OVARIES; PANCREAS; STOMACH; URINE; CHLORINE ORGANIC COMPOUNDS; FLUORINE COMPOUNDS; INSECTICIDES; BIOACCUMULATION; METABOLISM; METABOLITES	Opdycke, J.C. Miller, R.W. Menzer, R.E. 1982 Journal of Agricultural and Food Chemistry 30:1223-1227

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Benzamide, N-(((4-chlorophenyl)amino)carbonyl-2,6-difluoro-
35367-38-5
C14-H9-Cl-F2-N2-O2
MW 310.68, MP 210-230 C, 239 C
Swine
SUS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1524 Lymph node	Ingestion	Radiometry	1	Not applicable	0.15 ppm	11 days after 5 mg/kg (405 uCi) [C14]diflubenzuron. Brachial node. Poland-China Duroc pig, age 16 wk, wt 46 kg SWINE; MARYLAND; ADIPOSE TISSUE; BLOOD; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; LYMPH NODES; MUSCLES; OVARIES; PANCREAS; STOMACH; URINE; CHLORINE ORGANIC COMPOUNDS; FLUORINE COMPOUNDS; INSECTICIDES; BIOACCUMULATION; METABOLISM; METABOLITES	Opdycke, J.C. Miller, R.W. Nenzer, R.E. 1982 Journal of Agricultural and Food Chemistry 30:1223-1227
1585 Muscle	Ingestion	Radiometry	1	a) Not applicable b) Not applicable	a) 0.05 ppm b) 0.04 ppm	a) Longissimus dorsi b) Latissimus dorsi 11 days after 5 mg/kg (405 uCi) [C14]diflubenzuron. Poland-China Duroc pig, age 16 wk, wt 46 kg SWINE; MARYLAND; ADIPOSE TISSUE; BLOOD; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; LYMPH NODES; MUSCLES; OVARIES; PANCREAS; STOMACH; URINE; CHLORINE ORGANIC COMPOUNDS; FLUORINE COMPOUNDS; INSECTICIDES; BIOACCUMULATION; METABOLISM; METABOLITES	Opdycke, J.C. Miller, R.W. Nenzer, R.E. 1982 Journal of Agricultural and Food Chemistry 30:1223-1227
1586 Ovary	Ingestion	Radiometry	1	Not applicable	0.04 ppm	11 days after 5 mg/kg (405 uCi) [C14]diflubenzuron. Poland-China Duroc pig, age 16 wk, wt 46 kg SWINE; MARYLAND; ADIPOSE TISSUE; BLOOD; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; LYMPH NODES; MUSCLES; OVARIES; PANCREAS; STOMACH; URINE; CHLORINE ORGANIC COMPOUNDS; FLUORINE COMPOUNDS; INSECTICIDES; BIOACCUMULATION; METABOLISM; METABOLITES	Opdycke, J.C. Miller, R.W. Nenzer, R.E. 1982 Journal of Agricultural and Food Chemistry 30:1223-1227

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Benzamide, N-[[(4-chlorophenyl)amino]carbonyl]-2,6-difluoro-
35367-38-5
C14-H9-Cl-F2-N2-O2
MW 310.68, MP 210-230 C. 2?? C
Swine
SUS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1587 Pancreas	Ingestion	Radiometry	1	Not applicable	0.88 ppm	11 days after 5 mg/kg (405 uCi) [C14]diflubenzuron. Poland-China Duroc pig, age 16 wk, wt 46 kg SWINE; MARYLAND; ADIPOSE TISSUE; BLOOD; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; LYMPH NODES; MUSCLES; OVARIES; PANCREAS; STOMACH; URINE; CHLORINE ORGANIC COMPOUNDS; FLUORINE COMPOUNDS; INSECTICIDES; BIOACCUMULATION; METABOLISM; METABOLITES	Opdycke, J.C. Miller, R.W. Hauser, R.E. 1982 Journal of Agricultural and Food Chemistry 30:1223-1227
1588 Stomach	Ingestion	Radiometry	1	Not applicable	0.89 ppm	11 days after 5 mg/kg (405 uCi) [C14]diflubenzuron. Stomach wall, Poland-China Duroc pig, age 16 wk, wt 46 kg SWINE; MARYLAND; ADIPOSE TISSUE; BLOOD; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; LYMPH NODES; MUSCLES; OVARIES; PANCREAS; STOMACH; URINE; CHLORINE ORGANIC COMPOUNDS; FLUORINE COMPOUNDS; INSECTICIDES; BIOACCUMULATION; METABOLISM; METABOLITES	Opdycke, J.C. Miller, R.W. Hauser, R.E. 1982 Journal of Agricultural and Food Chemistry 30:1223-1227
1589 Urine	Ingestion	Radiometry TLC	1	a) Not applicable b) Not applicable c) Not applicable d) Not applicable e) Not applicable f) Not applicable	a) 0.45% b) 1.03% c) 0.83% d) 0.82% e) 0.29% f) 2.47% % of dose	a) Diflubenzuron b) 4-Chloroaniline (metabolite) c) 2,6-Difluorobenzamide (metabolite) d) (4-Chlorophenyl)urea (metabolite) e) 2,6-Difluorobenzoic acid (metabolite) f) Unknown metabolites Collected at 12 hr intervals for 11 days after 5 mg/kg (405 uCi) [C14]diflubenzuron. Poland-China Duroc pig, age 16 wk, wt 46 kg SWINE; MARYLAND; ADIPOSE TISSUE; BLOOD; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; LYMPH NODES; MUSCLES; OVARIES; PANCREAS; STOMACH; URINE; CHLORINE ORGANIC COMPOUNDS; FLUORINE COMPOUNDS; INSECTICIDES; BIOACCUMULATION; METABOLISM; METABOLITES	Opdycke, J.C. Miller, R.W. Hauser, R.E. 1982 Journal of Agricultural and Food Chemistry 30:1223-1227

Benzene, hexachloro-
118-74-1
C6-C16
MW 284.80, MP 231 C, BP 323-326 C, VP 1 mm Hg at 114.4 C
Canvasback
AYTHYA VALISINERIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1590 Body		GC/MS	a) 29 b) 113	a) Not detected b) Not given	a) Not detected b) 0.15 +or- 0.03 ppm Wet wt	a) 1973, skinned b) 1975, plucked (5 with residue) GI tract, feet, and beaks removed Maryland, Chesapeake Bay BIRDS; MARYLAND; BODY; BONES; KIDNEYS; LIVER; CADMIUM; CHLORINE ORGANIC COMPOUNDS; CHROMIUM; COPPER; DDD; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; LEAD; MERCURY; POLYCHLORINATED BIPHENYLS; ZINC; BIOACCUMULATION; PESTICIDE RESIDUES	White, D.H. Stendell, R.C. Hulhern, B.M. 1979 Wilson Bulletin 91(2):279-287

Benzene, hexachloro-
118-74-1
C6-C16
MW 284.80, MP 231 C, BP 323-326 C, VP 1 mm Hg at 114.4 C
Crab, blue
CALLINECTES SAPIDUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1591 Body		HPLC	2	5.6-14 ng/g wet wt	9.6 ng/g wet wt	Soft tissues. Collected 2-6/80. Mean sediment concentration 0.49 ng/g dry wt Wt 2.6-6.5 g Texas, West Galveston Bay, San Luis Pass SQUID; CRUSTACEANS; POLYCYCLIC AROMATIC HYDROCARBONS; SEDIMENTS; BODY; TEXAS; BIOACCUMULATION; FISHES; WATER POLLUTION; CHLORINE ORGANIC COMPOUNDS	Murray, H.E. Ray, L.E. Glam, C.S. 1981 Chemosphere 10(11/12):1327-1334

Benzene, hexachloro-
118-74-1
C6-C16
MW 284.80, MP 231 C, BP 323-326 C, VP 1 mm Hg at 114.4 C
Fish

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1592 Adipose		GC-EC	72	a) Not given b) Not given c) Not given d) Not given	a) 0.463 mg/kg b) 0.275 mg/kg c) 0.391 mg/kg d) 0.265 mg/kg	a) Rivers b) Streams c) Ponds connecting to flowing water d) Ponds not connecting to flowing water Several species of native fish, mostly trout from commercial farms Federal Republic of Germany, inland waters GERMANY; MUSCLES; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYCHLORINATED BIPHENYLS; HEXACHLOROBENZENE	Bruun, H. Manz, D. 1982 Bulletin of Environmental Contamination and Toxicology 28:599-604

Benzene, hexachloro-
118-74-1
C6-C16
MW 284.80, MP 231 C, BP 323-326 C, VP 1 mm Hg at 114.4 C
Flounder

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1593 Body		HPLC	3	0.32-0.80 ng/g wet wt	0.49 ng/g wet wt	Collected 2-6/80. Mean sediment concentration 0.49 ng/g dry wt Sexually immature fishes, wt 2.3-12.6 g Texas, West Galveston Bay, San Luis Pass SQUID; CRUSTACEANS; POLYCYCLIC AROMATIC HYDROCARBONS; SEDIMENTS; BODY; TEXAS; BIOACCUMULATION; FISHES; WATER POLLUTION; CHLORINE ORGANIC COMPOUNDS	Murray, H.E. Bay, L.E. Glen, C.S. 1981 Chemosphere 10(11/12):1327-1334

Benzene, hexachloro-
118-74-1
C6-C16
MW 284.80, MP 231 C, BP 323-326 C, VP 1 mm Hg at 114.4 C
Fulmar, southern
FULMARUS GLACIALOIDES

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1594 Adipose		GC-EC	3	Not given	0.16 +or- 0.04 ug/g wet wt	Collected 2/77 and 1/79 Antarctica, Vestfjella (C), Dronning Maud Land Antarctica, Bouvetoya BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Somme, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240
1595 Liver		GC-EC	6	Not given	0.005 +or- 0.03 ug/g wet wt	Collected 2/77 and 1/79 Antarctica, Vestfjella (C), Dronning Maud Land Antarctica, Bouvetoya BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Somme, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240

Benzene, hexachloro-
118-74-1
C6-C16
MW 284.80, MP 231 C, BP 323-326 C, VP 1 mm Hg at 114.4 C
Hawk, Swainson's
BUTEO SWAINSONI

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1596 Eggs		GC-EC	6	Not detected-5.2 ppm wet wt	0.89 ppm wet wt	Addled eggs collected 1977/78, 2-3 eggs/nest Washington (ES), Whitman, Garfield, and Franklin Counties BIRDS; EGGS; JUVENILES; WASHINGTON; BODY; DDE; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; OXYCHLORDANE; POLYCHLORINATED BIPHENYLS; PESTICIDE RESIDUES; BIOACCUMULATION	Bechard, M. 1981 Bulletin of Environmental Contamination and Toxicology 26:248-253

Benzene, hexachloro-
118-74-1
C6-C16
MW 284.80, MP 231 C, BP 323-326 C, VP 1 mm Hg at 114.4 C
Kestrel, American
FALCO SPARVERIUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1597 Eggs		GC-EC	4	0.07-0.09 ppm wet wt	0.08 ppm wet wt	Addled eggs collected 1977/78, 5 eggs/nest Washington (SE), Whitman County BIRDS; EGGS; JUVENILES; WASHINGTON; BODY; DDE; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; OXYCHLORDANE; POLYCHLORINATED BIPHENYLS; PESTICIDE RESIDUES; BIOACCUMULATION	Bechard, M. 1981 Bulletin of Environmental Contamination and Toxicology 26:248-253

Benzene, hexachloro-
118-74-1
C6-C16
MW 284.80, MP 231 C, BP 323-326 C, VP 1 mm Hg at 114.4 C
Killifish, longnose
FUNDULUS SIMILIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1598 Body		HPLC	3	0.29-1.3 ng/g wet wt	0.65 ng/g wet wt	Collected 2-6/80. Mean sediment concentration 0.49 ng/g dry wt Sexually immature fishes, wt 4.1-5.1 g Texas, West Galveston Bay, San Luis Pass SQUID; CRUSTACEANS; POLYCYCLIC AROMATIC HYDROCARBONS; SEDIMENTS; BODY; TEXAS; BIOACCUMULATION; FISHES; WATER POLLUTION; CHLORINE ORGANIC COMPOUNDS	Murray, H.E. Hay, L.E. Glass, C.E. 1981 Chemosphere 10(11/12):1327-1334

Benzene, hexachloro-
118-74-1
C6-Cl6
MW 284.80, MP 231 C, BP 323-326 C, VP 1 mm Hg at 114.4 C
Penguin, chinstrap
PYGOSCELIS ANTARCTICA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1599 Adipose		GC-EC	7	Not given	0.14 +or- 0.033 ug/g wet wt	Collected 2/77 and 1/79 Antarctica, Bouvetoya BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Sonne, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240
1600 Liver		GC-EC	13	Not given	0.005 +or- 0.004 ug/g wet wt	Collected 2/77 and 1/79 Antarctica, Bouvetoya BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Sonne, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240

Benzene, hexachloro-
118-74-1
C6-Cl6
MW 284.80, MP 231 C, BP 323-326 C, VP 1 mm Hg at 114.4 C
Penguin, macaroni
EUDYPTES CHRYSOLOPHUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1601 Adipose		GC-EC	6	Not given	0.078 +or- 0.034 ug/g wet wt	Collected 2/77 and 1/79 Antarctica, Vestfjella (C), Dronning Maud Land Antarctica, Bouvetoya BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Sonne, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240

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Benzene, hexachloro-
118-74-1
C6-Cl6
MW 284.80, MP 231 C, BP 323-326 C, VP 1 mm Hg at 114.4 C
Penguin, macaroni
EUDYPTES CHRYSOLOPHUS

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TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1602 Liver		GC-EC	9	Not given	0.002 +or- 0.001 ug/g wet wt	Collected 2/77 and 1/79 Antarctica, Vestfjella (C), Dronning Maud Land Antarctica, Bouvetoya BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Somme, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240

Benzene, hexachloro-
118-74-1
C6-Cl6
MW 284.80, MP 231 C, BP 323-326 C, VP 1 mm Hg at 114.4 C
Petrel, snow
PAGODROMA NIVEA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1603 Liver		AAS	7	Not given	0.023 +or- 0.008 ug/g wet wt	Collected 2/77 Antarctica, Vestfjella (C), Dronning Maud Land BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Somme, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240

Benzene, hexachloro-
118-74-1
C6-C16
MW 284.80, MP 231 C, BP 323-326 C, VP 1 mm Hg at 114.4 C
Pigeon, cape
DAPTION CAPENSE

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1604 Adipose		GC-EC	2	Not given	0.18 ug/g wet wt	Collected 2/77 and 1/79 Antarctica, Vestfjella (C), Dronning Maud Land Antarctica, Bouvetoya BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Sonne, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240
1605 Liver		GC-EC	7	Not given	0.012 +or- 0.010 ug/g wet wt	Collected 2/77 and 1/79 Antarctica, Vestfjella (C), Dronning Maud Land Antarctica, Bouvetoya BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Sonne, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240

Benzene, hexachloro-
118-74-1
C6-C16
MW 284.80, MP 231 C, BP 323-326 C, VP 1 mm Hg at 114.4 C
Seal, harp
PHAGOPHILUS GROENLANDICUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1605 Adipose		GC-EC	20	0.026-0.130 ppm wet wt	0.078 ppm wet wt	Blubber Pups, caught 3/73, age <2 wk Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosewell, K.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192

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Benzene, hexachloro-
118-74-1
C6-C16
MW 284.80, MP 231 C, BP 323-326 C, VP 1 mm Hg at 114.4 C
Seal, harp
PHAGOPHILUS GROENLANDICUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1607 Brain		GC-EC	10	<0.002-0.005 ppm wet wt	0.003 ppm wet wt	Pups, caught 3/73 Age <2 wk Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosewell, K.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192
1608 Gonads		GC-EC	2	0.002-0.011 ppm wet wt	0.007 ppm wet wt	Pups, caught 3/73 Age <2 wk Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosewell, K.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192
1609 Liver		GC-EC	10	0.003-0.007 ppm wet wt	0.005 ppm wet wt	Pups, caught 3/73 Age <2 wk Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosewell, K.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192

Benzene, hexachloro-
118-74-1
C6-C16
MW 284.80, MP 231 C, BP 323-326 C, VP 1 mm Hg at 114.4 C
Shrimp, brown
PENAEUS AZTECUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1610 Body		HPLC	3	0.65-1.1 ng/g wet wt	0.88 ng/g wet wt	Collected 2-6/80. Mean sediment concentration 0.49 ng/g dry wt Wt 2.3-5.4 g Texas, West Galveston Bay, San Luis Pass SQUID; CRUSTACEANS; POLYCYCLIC AROMATIC HYDROCARBONS; SEDIMENTS; BODY; TEXAS; BIOACCUMULATION; FISHES; WATER POLLUTION; CHLORINE ORGANIC COMPOUNDS	Murray, H.E. Ray, L.H. Glam, C.S. 1981 Chemosphere 10(11/12):1327-1334

Benzene, hexachloro-
118-74-1
C6-C16
MW 284.80, MP 231 C, BP 323-326 C, VP 1 mm Hg at 114.4 C
Skua, brown
CATHARACTA LONNBERGI

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1611 Liver		GC-EC	8	Not given	0.883 +or- 0.856 ug/g wet wt	Collected 2/77 and 1/79 Antarctica, Vestfjella (C), Dronning Maud Land Antarctica, Bouvetoya BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Sonne, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240

Benzene, hexachloro-
118-74-1
C6-Cl6
MW 284.80, MP 231 C, BP 323-326 C, VP 1 mm Hg at 114.6 C
Skua, south polar
CATHARACTA MACCORMICKI

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1612 Adipose		AAS	7	Not given	3.8 +or- 2.3 ug/g wet wt	Collected 2/77 Antarctica, Vestfjella (C), Dronning Maud Land BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Sonne, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240
1613 Liver		AAS	8	Not given	0.20 +or- 0.16 ug/g wet wt	Collected 2/77 Antarctica, Vestfjella (C), Dronning Maud Land BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Sonne, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240

Benzene, hexachloro-
118-74-1
C6-Cl6
MW 284.80, MP 231 C, BP 323-326 C, VP 1 mm Hg at 114.6 C
Squid, dwarf
LOLLIGUNCULA BREVIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1614 Body		HPLC	3	0.58-0.83 ng/g wet wt	0.71 ng/g wet wt	Collected 2-6/80. Mean sediment concentration 0.49 ng/g dry wt Wt 6.2-8.8 g Texas, West Galveston Bay, San Luis Pass SQUID; CRUSTACEANS; POLYCYCLIC AROMATIC HYDROCARBONS; SEDIMENTS; BODY; TEXAS; BIOACCUMULATION; FISHES; WATER POLLUTION; CHLORINE ORGANIC COMPOUNDS	Murray, H.E. Ray, L.E. Giam, C.S. 1981 Chemosphere 10(11/12):1327-1334

Benzeneacetic acid, 4-chloro-alpha-(1-methylethyl)-, cyano(3-phenoxyphenyl)methyl ester
51630-58-1
C25-H22-Cl-N-O3
MW 419.93
Salmon, Atlantic
SALMO SALAR

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1615 Body		GC	9	a) Not given b) Not given c) Not given	a) 0.37 ug/g b) 0.43 ug/g c) 0.16 ug/g	a) 16 hr, 9.3 ug/l b) 56 hr, 4.1 ug/l c) 96 hr, 0.8 ug/l Exposure times and levels in water. Juveniles, mean length 6.2 cm, mean wt 5.3 g JUVENILES; CANADA; BODY; CHLORINE ORGANIC COMPOUNDS; INSECTICIDES; BIOACCUMULATION; FISHES	McLeese, D.W. Metcalfe, C.D. Zitko, V. 1980 Bulletin of Environmental Contamination and Toxicology 25:950-955

Benzeneacetic acid, 4-chloro-alpha-(1-methylethyl)-, cyano(3-phenoxyphenyl)methyl ester
51630-58-1
C25-H22-Cl-N-O3
MW 419.93
Sheep
OVIS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1616 Adipose	Ingestion	GC-EC	2	3.6-4.4 ppm dry wt	4 ppm dry wt	45 ppm in food for 10 days Lambs, age 3 mo JUVENILES; SHEEP; NEW YORK; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; INSECTICIDES; BIOACCUMULATION	Wszolek, P.C. Hogue, D.E. Lisk, D.J. 1981 Bulletin of Environmental Contamination and Toxicology 27:869-871
1617 Kidney	Ingestion	GC-EC	2	0.15-0.16 ppm dry wt	0.16 ppm dry wt	45 ppm in food for 10 days Lambs, age 3 mo JUVENILES; SHEEP; NEW YORK; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; INSECTICIDES; BIOACCUMULATION	Wszolek, P.C. Hogue, D.E. Lisk, D.J. 1981 Bulletin of Environmental Contamination and Toxicology 27:869-871
1618 Liver	Ingestion	GC-EC	2	Not applicable	0.1 ppm dry wt	45 ppm in food for 10 days Lambs, age 3 mo JUVENILES; SHEEP; NEW YORK; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; INSECTICIDES; BIOACCUMULATION	Wszolek, P.C. Hogue, D.E. Lisk, D.J. 1981 Bulletin of Environmental Contamination and Toxicology 27:869-871

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Benzeneacetic acid, 4-chloro-alpha-(1-methylethyl)-, cyano(3-phenoxyphenyl)methyl ester
51630-58-1
C25-H22-Cl-N-O3
MW 419.93
Sheep
OVIS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
0479 Muscle	Ingestion	GC-EC	2	0.15-0.29 ppm dry wt	0.22 ppm dry wt	45 ppm in food for 10 days Lambs, age 3 mo JUVENILES; SHEEP; NEW YORK; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; INSECTICIDES; BIOACCUMULATION	Wszolek, P.C. Hogue, D.E. Lisk, D.J. 1971 Bulletin of Environmental Contamination and Toxicology 27:869-871

Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-
122-11-2
C12-H14-N4-O4-S
MW 310.33, MP 198-204 C, 201-203 C
Swine
SUS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1620 Adipose	Injection		3	0.48-1.45 ug/ml	0.95 +or- 0.49 ug/ml	48 hr after 55 mg/kg Growing pigs, age 11-12 wk, mean wt 26 kg JUVENILES; SWINE; ADIPOSE TISSUE; BLOOD PLASMA; KIDNEYS; LIVER; MUSCLES; URINE; DRUGS; MARYLAND; BIOACCUMULATION; METABOLISM	Righter, F. Showalter, D.H. Teske, R.H. 1979 American Journal of Veterinary Research 40(5):713-715
1621 Blood	Injection		7	a) 100.2-140.7 ug/ml b) 86.0-131.9 ug/ml c) 59.8-83.2 ug/ml d) 33.2-48.6 ug/ml e) 10.6-20.2 ug/ml f) 128.8-139.7 ug/ml g) 117.4-124.0 ug/ml h) 55.5-76.4 ug/ml i) 20.1-31.6 ug/ml j) 2.6-7.0 ug/ml	a) 115.9 +or- 17.6 ug/ml b) 82.6 +or- 47.9 ug/ml c) 55.4 +or- 31.0 ug/ml d) 33.1 +or- 18.9 ug/ml e) 11.3 +or- 7.2 ug/ml f) 135.3 +or- 5.7 ug/ml g) 120.8 +or- 3.3 ug/ml h) 63.5 +or- 11.3 ug/ml i) 25.6 +or- 5.8 ug/ml j) 4.5 +or- 2.3 ug/ml	a) 0.5 hr b) 4 hr c) 12 hr d) 24 hr e) 48 hr f) 0.5 hr g) 4 hr h) 12 hr i) 24 hr j) 48 hr Times after 55 mg/kg. a)-e) suckling pigs, age 1-2 wk, mean wt 2.5 kg, f)-j) growing pigs, age 11-12 wk, mean wt 26 kg JUVENILES; SWINE; ADIPOSE TISSUE; BLOOD PLASMA; KIDNEYS; LIVER; MUSCLES; URINE; DRUGS; MARYLAND; BIOACCUMULATION; METABOLISM	Righter, F. Showalter, D.H. Teske, R.H. 1979 American Journal of Veterinary Research 40(5):713-715

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Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-
122-11-2
C12-H14-N4-O4-S
MW 310.33, MP 198-204 C, 201-203 C
Swine
SUS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1622 Kidney	Injection		a) 4 b) 3	a) 0.59-3.91 ug/ml b) 0.71-1.28 ug/ml	a) 2.26 +or- 1.36 ug/ml b) 0.87 +or- 0.29 ug/ml	a) Suckling pigs, age 1-2 wk, mean wt 2.5 kg b) Growing pigs, age 11-12 wk, mean wt 26 kg 48 hr after 55 mg/kg JUVENILES; SWINE; ADIPOSE TISSUE; BLOOD PLASMA; KIDNEYS; LIVER; MUSCLES; URINE; DRUGS; MARYLAND; BIOACCUMULATION; METABOLISM	Righter, F. Shovalter, D.M. Teske, R.H. 1979 American Journal of Veterinary Research 40(5):713-715
1623 Liver	Injection		a) 4 b) 3	a) 1.83-3.89 ug/ml b) 0.47-1.42 ug/ml	a) 2.66 +or- 0.88 ug/ml b) 0.89 +or- 0.49 ug/ml	a) Suckling pigs, age 1-2 wk, mean wt 2.5 kg b) Growing pigs, age 11-12 wk, mean wt 26 kg 48 hr after 55 mg/kg JUVENILES; SWINE; ADIPOSE TISSUE; BLOOD PLASMA; KIDNEYS; LIVER; MUSCLES; URINE; DRUGS; MARYLAND; BIOACCUMULATION; METABOLISM	Righter, F. Shovalter, D.M. Teske, R.H. 1979 American Journal of Veterinary Research 40(5):713-715
1624 Muscle	Injection		a) 4 b) 3	a) 1.47-2.91 ug/ml b) 0.26-0.78 ug/ml	a) 1.91 +or- 0.68 ug/ml b) 0.47 +or- 0.27 ug/ml	a) Suckling pigs, age 1-2 wk, mean wt 2.5 kg b) Growing pigs, age 11-12 wk, mean wt 26 kg 48 hr after 55 mg/kg JUVENILES; SWINE; ADIPOSE TISSUE; BLOOD PLASMA; KIDNEYS; LIVER; MUSCLES; URINE; DRUGS; MARYLAND; BIOACCUMULATION; METABOLISM	Righter, F. Shovalter, D.M. Teske, R.H. 1979 American Journal of Veterinary Research 40(5):713-715
1625 Urine	Injection		a) 2 b) 3	a) 0.67-0.83 ug/ml b) 0.27-0.28 ug/ml	a) 0.75 +or- 0.11 ug/ml b) 0.28 +or- 0.00 ug/ml	a) Suckling pigs, age 1-2 wk, mean wt 2.5 kg a) Growing pigs, age 11-12 wk, mean wt 26 kg 48 hr after 55 mg/kg JUVENILES; SWINE; ADIPOSE TISSUE; BLOOD PLASMA; KIDNEYS; LIVER; MUSCLES; URINE; DRUGS; MARYLAND; BIOACCUMULATION; METABOLISM	Righter, F. Shovalter, D.M. Teske, R.H. 1979 American Journal of Veterinary Research 40(5):713-715

Benzo(a)pyrene
50-32-8
C20-H12
MW 252.3, MP 179 C, BP 372 C at 10 mm Hg
Crab, blue
CALLINECTES SAPIDUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1626 Body		HPLC	3	Not applicable	<0.01 ng/g wet wt	Soft tissues. Collected 2-6/80. Mean sediment concentration 2.2 ng/g dry wt Wt 2.6-6.5 g Texas, West Galveston Bay, San Luis Pass SQUID; CRUSTACEANS; POLYCYCLIC AROMATIC HYDROCARBONS; SEDIMENTS; BODY; TEXAS; BIOACCUMULATION; FISHES; WATER POLLUTION; CHLORINE ORGANIC COMPOUNDS	Murray, H.E. Ray, L.E. Glam, C.S. 1981 Chemosphere 10(11/12):1327-1334

Benzo(a)pyrene
50-32-8
C20-H12
MW 252.3, MP 179 C, BP 372 C at 10 mm Hg
Flounder

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1627 Body		HPLC	3	Not applicable	<0.01 ng/g wet wt	Collected 2-6/80. Mean sediment concentration 2.2 ng/g dry wt Sexually immature fishes, wt 2.3-12.6 g Texas, West Galveston Bay, San Luis Pass SQUID; CRUSTACEANS; POLYCYCLIC AROMATIC HYDROCARBONS; SEDIMENTS; BODY; TEXAS; BIOACCUMULATION; FISHES; WATER POLLUTION; CHLORINE ORGANIC COMPOUNDS	Murray, H.E. Ray, L.E. Glam, C.S. 1981 Chemosphere 10(11/12):1327-1334

Benzo(a)pyrene
50-32-8
C20-H12
MW 252.3, MP 179 C, BP 372 C at 10 mm Hg
Killifish, longnose
FUNDULUS SIMILIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1628 Body		HPLC	3	Not applicable	<0.01 ng/g wet wt	Collected 2-6/80. Mean sediment concentration 2.2 ng/g dry wt Sexually immature fishes, wt 4.1-5.1 g Texas, West Galveston Bay, San Luis Pass SQUID; CRUSTACEANS; POLYCYCLIC AROMATIC HYDROCARBONS; SEDIMENTS; BODY; TEXAS; BIOACCUMULATION; FISHES; WATER POLLUTION; CHLORINE ORGANIC COMPOUNDS	Murray, H.E. Ray, L.E. Giam, C.S. 1981 Chemosphere 10(11/12):1327-1334

Benzo(a)pyrene
50-32-8
C20-H12
MW 252.3, MP 179 C, BP 372 C at 10 mm Hg
Shrimp, brown
PENAEUS AZTECUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1629 Body		HPLC	3	Not applicable	<0.01 ng/g wet wt	Collected 2-6/80. Mean sediment concentration 2.2 ng/g dry wt Wt 2.3-5.4 g Texas, West Galveston Bay, San Luis Pass SQUID; CRUSTACEANS; POLYCYCLIC AROMATIC HYDROCARBONS; SEDIMENTS; BODY; TEXAS; BIOACCUMULATION; FISHES; WATER POLLUTION; CHLORINE ORGANIC COMPOUNDS	Murray, H.E. Ray, L.E. Giam, C.S. 1981 Chemosphere 10(11/12):1327-1334

Benzo(a)pyrene
50-32-8
C20-H12
MW 252.3, MP 179 C, BP 372 C at 10 mm Hg
Squid, dwarf
LOLLIGUNCULA BREVIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1630 Body		HPLC	3	Not applicable	<0.01 ng/g wet wt	Collected 2-6/80. Mean sediment concentration 2.2 ng/g dry wt Wt 4.2-8.8 g Texas, West Galveston Bay, San Luis Pass SQUID; CRUSTACEANS; POLYCYCLIC AROMATIC HYDROCARBONS; SEDIMENTS; BODY; TEXAS; BIOACCUMULATION; FISHES; WATER POLLUTION; CHLORINE ORGANIC COMPOUNDS	Murray, H.E. Ray, L.E. Giam, C.S. 1981 Chemosphere 10(11/12):1327-1334

Benzylamine, N-ethyl-N-phenyl- (8 CI)
Benzenemethanamine, N-ethyl-N-phenyl- (9CI)
92-59-1
C15-H17-N
MW 211.3, MP 34-36 C, BP 286 C
Carp
CYPRINUS CARPIO

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1631 Muscle		GC		a) <1-1 ppb b) Not given c) Not given	a) Not given b) 170 ppb c) 45 ppb	a) 1 mile upstream b) 100 yards downstream c) 4 miles downstream Near dyestuff manufacturing plant Fillet composites New York, Buffalo River AMINES; BODY; MUSCLES; MEASUREMENT METHODS; NEW JERSEY; NEW YORK; BIOACCUMULATION; FISHES; INDUSTRIAL EMISSIONS; WATER POLLUTION	Diachenko, G.W. 1979 Environmental Science and Technology 13(3):329-333

Beryllium
7440-41-7
Be
AtW 9.01218, MP 1287 C, BP 2500 C, VP 1 mm Hg at 1520 C, 10 mm Hg at 1860 C
Clam
RANGIA CUNEATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1632 Body		AAS	48	Not given	<0.08 ug/g wet wt	Composite samples, adults collected 12/78 prior to operation of ore refinery Mississippi, St. Louis Bay (NW) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Beryllium
7440-41-7
Be
AtW 9.01218, MP 1287 C, BP 2500 C, VP 1 mm Hg at 1520 C, 10 mm Hg at 1860 C
Oyster
CRASSOSTREA VIRGINICA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1633 Body		AAS		Not given	<0.08 ug/g wet wt	Collected 12/78 prior to operation of ore refinery. Shucked wet wt 4.5-11.7 g Mississippi, St. Louis Bay (SW) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro derivs (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Burbot
LOTA LOTA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1634 Body		GC	8	Not given	1500 ng/g wet wt	23 ug/g lipid wt. Collected 5-10/79 Switzerland, Lake Geneva (E), Les Grangettes BIRDS; EGGS; MOLLUSKS; SWITZERLAND; BODY; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYBROMINATED BIPHENYLS	Mowrer, J. Aswald, K. Burgermeister, G. Machado, L. Terradellas, J. 1982 Ambio 11(6):350-358

Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro derivs (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Canvasback
AYTHYA VALISINERIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
16.. Body		GC/MS	a) 29 b) 113	a) Not given b) Not given	a) 1.5 +or- 0.31 ppm b) 2.7 +or- 0.21 ppm Wet wt	a) 1973, skinned (18 with residue) b) 1975, plucked (112 with residue) GI tracts, feet, and beaks removed Maryland, Chesapeake Bay BIRDS; MARYLAND; BODY; BONES; KIDNEYS; LIVER; CADMIUM; CHLORINE ORGANIC COMPOUNDS; CHROMIUM; COPPER; DDD; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; LEAD; MERCURY; POLYCHLORINATED BIPHENYLS; ZINC; BIOACCUMULATION; PESTICIDE RESIDUES	White, D.H. Stendell, R.C. Hulhern, B.N. 1979 Wilson Bulletin 91(2):279-287

Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro deriva (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERAINED
Carp
CYPRINUS CARPIO

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1636 Muscle				a) 1.11-1.99 ppm b) Not given c) Not given d) Not given e) Not given f) Not given	a) 1.58 +or- 1.06 ppm b) 3.71 ppm c) 2.45 ppm d) 3.01 ppm e) 1.25 ppm f) 1.47 ppm	a) Raw b) Deep-fat fried c) Poached d) Charbroiled e) Cooked by microwave f) Roasted Edible fillets, mean water content 69%, mean fat content 7.7%. Slightly lower values in cooked than in raw fillets on a fat basis Wt 3-4.9 kg Michigan, Lake Huron, Saginaw Bay MICHIGAN; MUSCLES; BIOACCUMULATION; FISHES; FOOD CONTAMINATION; DDD; DDE; POLYCHLORINATED BIPHENYLS	Zabik, M.E. Merrill, C. Zabik, M.J. 1982 Bulletin of Environmental Contamination and Toxicology 28:710-715
1637 Muscle		GC-EC	a) 40 b) 78 c) 62 d) 31	a) Not given b) Not given c) Not given d) Not given	a) 0.262 +or- 0.253 ppm b) 0.896 +or- 0.733 ppm c) 0.899 +or- 0.764 ppm d) 0.834 +or- 0.890 ppm	a) <2 kg (2.9% fat) b) 2-4 kg (6.8% fat) c) 4-5.5 kg (7.5% fat) d) >5.5 kg (9% fat) Predictability of levels is related to weight, length, percentage fat, sex, and season Commercially caught fish, 1979-80 Michigan, Lake Huron, Saginaw Bay MICHIGAN; MUSCLES; DDE; DDT; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION; FISHES; WATER POLLUTION	Zabik, M.E. Merrill, C. Zabik, M.J. 1982 Bulletin of Environmental Contamination and Toxicology 28:592-598
1638 Muscle		GC-EC		a) Not given b) Not given c) Not given d) Not given e) Not given	a) 39 ppb b) 32 ppb c) 16 ppb d) 6 ppb e) 5 ppb Values estimated from graph	a) 1976 b) 1977 c) 1978 d) 1980 e) 1981 Declines of body burdens attributed to effluent controls by recycling paper mills Fish length 22-26 in. Wisconsin, Lower Fox River, Little Lake Butte des Morts WISCONSIN; MUSCLES; BIOACCUMULATION; BIOINDICATORS; FISHES; INDUSTRIAL EMISSIONS; WATER POLLUTION; POLYCHLORINATED BIPHENYLS	Sullivan, J.H. Dalfino, J.J. Buelow, C.R. Sheffy, T.B. 1983 Bulletin of Environmental Contamination and Toxicology 30:58-64

Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro deriva (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Char
SALVELINUS ALPINUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1639 Adipose		GC-EC	a) 5 b) 4	a) 5.2-13 ppm b) 2.7-8.4 ppm Wet wt	a) Not given b) Not given	a) Males, 25-40 lipid wt b) Females, 16-22 lipid wt Abdominal fat. Collected during reproductive period, age 3-6 yr France, Lake Leman GILLS; EGGS; FRANCE; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; SEMEN; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYCHLORINATED BIPHENYLS	Monod, G. Keck, G. 1982 Bulletin of Environmental Contamination and Toxicology 29:570-576
1640 Eggs		GC-EC	4	0.17-0.22 ppm wet wt	Not given	14-22 ppm lipid wt, age 3-6 yr France, Lake Leman GILLS; EGGS; FRANCE; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; SEMEN; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYCHLORINATED BIPHENYLS	Monod, G. Keck, G. 1982 Bulletin of Environmental Contamination and Toxicology 29:570-576
1641 Gills		GC-EC	a) 5 b) 4	a) 0.12-0.24 ppm b) 0.19-0.25 ppm Wet wt	a) Not given b) Not given	a) Males, 8.8-24 ppm lipid wt b) Females, 11-22 ppm lipid wt Collected during reproductive period, age 3-6 yr France, Lake Leman GILLS; EGGS; FRANCE; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; SEMEN; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYCHLORINATED BIPHENYLS	Monod, G. Keck, G. 1982 Bulletin of Environmental Contamination and Toxicology 29:570-576
1642 Kidney		GC-EC	a) 5 b) 4	a) 0.18-0.47 ppm b) 0.28-0.37 ppm Wet wt	a) Not given b) Not given	a) Males, 12-19 ppm lipid wt b) Females, 11-15 ppm lipid wt Collected during reproductive period, age 3-6 yr France, Lake Leman GILLS; EGGS; FRANCE; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; SEMEN; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYCHLORINATED BIPHENYLS	Monod, G. Keck, G. 1982 Bulletin of Environmental Contamination and Toxicology 29:570-576

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Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro deriva (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Char
SALVELINUS ALPINUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1643 Liver		GC-EC	a) 5 b) 6	a) 1.1-2.7 ppm b) 0.29-0.72 ppm Wet wt	a) Not given b) Not given	a) Males, 15-38 ppm lipid wt b) Females, 9.4-17 ppm lipid wt Collected during reproductive period, age 3-6 yr France, Lake Leman GILLS; EGGS; FRANCE; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; SEMEN; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYCHLORINATED BIPHENYLS	Monod, G. Keck, G. 1982 Bulletin of Environmental Contamination and Toxicology 29:570-576
1644 Muscle		GC-EC	a) 5 b) 6	a) 0.31-1.30 ppm b) 0.34-2.5 ppm Wet wt	a) Not given b) Not given	a) Males, 22-41 ppm lipid wt b) Females, 13-22 ppm lipid wt Collected during reproductive period, age 3-6 yr France, Lake Leman GILLS; EGGS; FRANCE; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; SEMEN; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYCHLORINATED BIPHENYLS	Monod, G. Keck, G. 1982 Bulletin of Environmental Contamination and Toxicology 29:570-576
1645 Semen		GC-EC	5	0.39-0.58 ppm wet wt	Not given	Milt, 14-16 ppm lipid wt, age 3-6 yr France, Lake Leman GILLS; EGGS; FRANCE; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; SEMEN; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYCHLORINATED BIPHENYLS	Monod, G. Keck, G. 1982 Bulletin of Environmental Contamination and Toxicology 29:570-576

Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro deriva (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Coot
FULICA ATRA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1646 Eggs		GC	8	Not given	1300 ng/g wet wt	13 ug/g lipid wt. Collected 5-10/79 Switzerland, Lake Geneva (E), Les Grangettes BIRDS; EGGS; MOLLUSKS; SWITZERLAND; BODY; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYBROMINATED BIPHENYLS	Mourer, J. Aswald, K. Burgermeister, G. Machado, L. Terradellas, J. 1982 Ambio 11(6):350-358

Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro deriva (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Coregonine
COREGONUS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1647 Adipose		GC-EC	a) 6 b) 7	a) Not given b) Not given	a) 4.2 ppm b) 4.9 pm Wet wt	a) Males, age 2 yr, 4.8 ppm lipid wt b) Females, age 3 yr, 6.3 ppm lipid wt Collected during reproductive period France, Lake Leman GILLS; EGGS; FRANCE; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; SEMEN; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYCHLORINATED BIPHENYLS	Monod, G. Keck, G. 1982 Bulletin of Environmental Contamination and Toxicology 29:570-576
1648 Eggs		GC-EC	7	Not given	0.19 ppm wet wt	3 ppm lipid wt, age 2 yr France, Lake Leman GILLS; EGGS; FRANCE; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; SEMEN; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYCHLORINATED BIPHENYLS	Monod, G. Keck, G. 1982 Bulletin of Environmental Contamination and Toxicology 29:570-576

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Biphenyl, chloro (8 CI)
1,1'-Biphenyl, chloro deriva (9 CI)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Coregonine
COREGONUS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1649 Gills		GC-EC	a) 6 b) 7	a) Not given b) Not given	a) 0.05 ppm b) 0.06 ppm Wet wt	a) Males, age 3 yr, 2.8 ppm lipid wt b) Females, age 2 yr, 2.5 ppm lipid wt Collected during reproductive period France, Lake Leman GILLS; EGGS; FRANCE; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; SEMEN; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYCHLORINATED BIPHENYLS	Monod, G. Keck, G. 1982 Bulletin of Environmental Contamination and Toxicology 29:570-576
1650 Kidney		GC-EC	a) 6 b) 7	a) Not given b) Not given	a) 0.28 ppm b) 0.41 ppm Wet wt	a) Males, age 3 yr, 3.9% lipid wt b) Females, age 2 yr, 5.3% lipid wt Collected during reproductive period France, Lake Leman GILLS; EGGS; FRANCE; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; SEMEN; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYCHLORINATED BIPHENYLS	Monod, G. Keck, G. 1982 Bulletin of Environmental Contamination and Toxicology 29:570-576
1651 Liver		GC-EC	a) 6 b) 7	a) Not given b) Not given	a) 0.12 ppm b) 0.01 ppm Wet wt	a) Males, age 3 yr, 3.0 ppm lipid wt b) Females, age 2 yr, 0.56 ppm lipid wt Collected during reproductive period France, Lake Leman GILLS; EGGS; FRANCE; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; SEMEN; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYCHLORINATED BIPHENYLS	Monod, G. Keck, G. 1982 Bulletin of Environmental Contamination and Toxicology 29:570-576
1652 Muscle		GC-EC	a) 6 b) 7	a) Not given b) Not given	a) 0.04 ppm b) 0.07 ppm Wet wt	a) Males, age 3 yr, 2.4 ppm lipid wt b) Females, age 2 yr, 4.0 ppm lipid wt Collected during reproductive period France, Lake Leman GILLS; EGGS; FRANCE; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; SEMEN; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYCHLORINATED BIPHENYLS	Monod, G. Keck, G. 1982 Bulletin of Environmental Contamination and Toxicology 29:570-576

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Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro deriva (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Coregonine
COREGONUS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1653 Semen		GC-EC	6	Not given	0.06 ppm wet wt	Milt, 3.9 ppm lipid wt, age 3 yr France, Lake Leman GILLS; EGGS; FRANCE; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; SEMEN; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYCHLORINATED BIPHENYLS	Monod, G. Keck, G. 1982 Bulletin of Environmental Contamination and Toxicology 29:570-576

Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro deriva (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Croaker, white
GENYONEMUS LINEATUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1654 Muscle		GC-EC	60	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given	a) 0.20 +or- 0.04 mg/kg b) 0.21 +or- 0.04 mg/kg c) 0.07 +or- 0.016 mg/kg d) 0.018 +or- 0.003 mg/kg e) 0.036 +or- 0.005 mg/kg f) 0.013 +or- 0.002 mg/kg Wet wt	a) Uncooked b) Pan fried c) Pan fried, adjusted to 65% wt loss during frying d) Uncooked e) Pan fried f) Pan fried, adjusted to 28% wt loss during frying Collected 5-6/81 in Santa Monica Bay a)-c), and Orange County, Abalone Point d)-f). Composite fillet samples. Fish wt 9-38 g, length 10-13 cm California (S) MUSCLES; CALIFORNIA; BIOACCUMULATION; FISHES; WATER POLLUTION; DDT; POLYCHLORINATED BIPHENYLS	Puffer, H.W. Gossett, R.W. 1983 Bulletin of Environmental Contamination and Toxicology 30:65-73

Biphenyl, chloro (8 CI)
1,1'-Biphenyl, chloro deriva (9 CI)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Eagle, bald
HALIAEETUS LEUCOCEPHALUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1655 Blood, plasma		GC-EC	a) 4 b) 11 c) 10 d) 10	a) Not detected-0.36 ug/g b) Not detected-0.27 ug/g c) Not detected-0.68 ug/g d) Not detected-0.36 ug/g	a) 0.24 ug/g b) 0.08 ug/g c) 0.10 ug/g d) 0.04 ug/g	a) Missouri, adults, 1978 b) Missouri, subadults, 1978 c) Colorado, adults, 1977 d) Colorado, subadults, 1977 Residues in eggs estimated from plasma values are 1.4 ug/g for Missouri and 0.67 ug/g for Colorado birds Wintering populations Colorado, San Luis Valley Missouri, Swan Lake National Wildlife Refuge BIRDS; EGGS; COLORADO; MISSOURI; ADULTS; BLOOD PLASMA; DDT; DIELDRIN; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Henny, C.J. Griffin, C.R. Stahlecker, D.W. Hermata, A.R. Cromartie, E. 1981 Canadian Field-Naturalist 95(3):249-252

Biphenyl, chloro (8 CI)
1,1'-Biphenyl, chloro deriva (9 CI)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Fish

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1656 Adipose		GC-EC	72	a) Not given b) Not given c) Not given d) Not given	a) 40,283 mg/kg b) 35,261 mg/kg c) 27,083 mg/kg d) 7,148 mg/kg	a) Rivers b) Streams c) Ponds connecting to flowing water d) Ponds not connecting to flowing water Several species of native fish, mostly trout from commercial farms Federal Republic of Germany, inland waters GERMANY; MUSCLES; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYCHLORINATED BIPHENYLS; HEXACHLOROBENZENE	Bruun, H. Manz, D. 1982 Bulletin of Environmental Contamination and Toxicology 28:599-604

Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro derivs (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Fulmar, southern
FULMARUS GLACIALOIDES

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1657 Adipose		AAS	3	Not given	0.1 ug/g wet wt	Collected 2/77 and 1/79 Antarctica, Vestfjella (C), Dronning Maud Land Antarctica, Bouvetoya BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE, DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Sonne, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240

Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro derivs (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Grebe, great crested
PODICEPS CRISTATUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1658 Eggs		GC	9	Not given	13,000 ng/g wet wt	150 ug/g lipid wt. Collected 5-10/79 Switzerland, Lake Geneva (E), Les Grangettes BIRDS; EGGS; MOLLUSKS; SWITZERLAND; BODY; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYBROMINATED BIPHENYLS	Mever, J. Aswald, K. Burgermeister, G. Machado, L. Terradellas, J. 1982 Ambio 11(6):350-358

Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro deriva (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Gudge n
GOBIO GOBIO

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1658 Body		GC	28	Not given	160 ng/g wet wt	7 ug/g lipid wt. Collected 5-10/79 Switzerland, Lake Geneva (E), Les Grangettes BIRDS; EGGS; MOLLUSKS; SWITZERLAND; BODY; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYBROMINATED BIPHENYLS	Nourer, J. Aswald, K. Burgermeister, G. Machado, L. Terradellas, J. 1982 Ambio 11(6):350-358

Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro deriva (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Gull, herring
LARUS ARGENTATUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1660 Eggs		GC-EC	28	a) Not given b) Not given	a) 97.2 +or- 9.7 ng/kg b) 7.0 +or- 0.7 mg/kg	a) Lipid wt b) Wet wt 7.5% fat. Collected 1978 Finland (SW), archipelago, Karuna parish BIRDS; JUVENILES; EGGS; FINLAND; ADULTS; NEWBORN; LIVER; MUSCLES; DDT; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Lemmetyinen, R. Rantamaki, P. Karlin, A. 1982 Chemosphere 11(10):1059-1068

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Biphenyl, chloro (8 CI)
1,1'-Biphenyl, chloro deriva (9 CI)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Gull, herring
LARUS ARGENTATUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1661 Muscle		GC-EC	67	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given j) Not given k) Not given l) Not given	a) 447.0 +or- 58.99 mg/kg b) 33.8 +or- 4.7 mg/kg c) 74.3 +or- 22.5 mg/kg d) 2.1 +or 0.6 mg/kg e) 49.2 +or- 13.4 mg/kg f) 2.2 +or- 0.4 mg/kg g) 33.1 +or- 5.2 mg/kg h) 1.7 +or- 0.2 mg/kg i) 523.8 +or- 107.8 mg/kg j) 22.1 +or- 3.9 mg/kg k) 529.8 +or- 64.9 mg/kg l) 18.7 +or- 2.3 mg/kg	a) Newly hatched, lipid wt b) Newly hatched, wet wt c) Age 2-4 wk, lipid wt d) Age 2-4 wk, wet wt e) Age <14 mo, male, wet wt f) Age <14 mo, male, wet wt g) Age <14 mo, female, lipid wt h) Age <14 mo, female, wet wt i) Adults, male, lipid wt j) Adults, male, wet wt k) Adults, female, lipid wt l) Adults, female, wet wt Pectoral muscle, 3.3-7.7% fat. Collected 1978 Finland (SW), archipelago Finland, Turku City BIRDS; JUVENILES; EGGS; FINLAND; ADULTS; NEWBORN; LIVER; MUSCLES; DDT; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Lemmetyinen, R. Rantamaki, P. Karlin, A. 1982 Chemosphere 11(10):1059-1068

Biphenyl, chloro (8 CI)
1,1'-Biphenyl, chloro deriva (9 CI)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Hawk, Swainson's
BUTEO SWAINSONI

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1662 Eggs		GC-EC	6	Not detected-0.11 ppm wet wt	0.02 ppm wet wt	Addled eggs collected 1977/78, 2-3 eggs/nest Washington (SE), Whitman, Garfield, and Franklin Counties BIRDS; EGGS; JUVENILES; WASHINGTON; BODY; DDE; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; OXYCHLORDANE; POLYCHLORINATED BIPHENYLS; PESTICIDE RESIDUES; BIOACCUMULATION	Bechard, M. 1981 Bulletin of Environmental Contamination and Toxicology 26:248-253

Biphenyl, chloro (8 CI)
1,1'-Biphenyl, chloro deriva (9 CI)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Heron, great blue
ARDEA HERODIAS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1663 Brain		GC-EC	1	Not applicable	220 ppm wet wt	Moribund adult, 1976 Wisconsin, Sheboygan County, Sheboygan Falls BIRDS; FLORIDA; ILLINOIS; MINNESOTA; NEBRASKA; NEVADA; NORTH CAROLINA; VIRGINIA; WISCONSIN; ADULTS; BRAIN; BIOACCUMULATION; PESTICIDE RESIDUES; CHLORINE ORGANIC COMPOUNDS; DDD; DDE; DDT; DIELDRIN; POLYCHLORINATED BIPHENYLS	Ohlendorf, H.M. Swineford, D.M. Locke, L.N. 1979 Proceedings, 1979 Conference of the Colonial Waterbird Group, W.E. Southern (Comp.), pp. 176-85

Biphenyl, chloro (8 CI)
1,1'-Biphenyl, chloro deriva (9 CI)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Lobster, American
HOMARUS AMERICANUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1664 Muscle		GC-EC	a) 10 b) 10 c) 10 d) 10	a) 70-320 ug/kg b) 62-260 ug/kg c) 140-410 ug/kg d) 9-200 ug/kg Wet wt	a) 233 ug/kg b) 151 ug/kg c) 148 ug/kg d) 78 ug/kg Wet wt	a) New Jersey site b) Dredged material disposal c) New York Harbor d) Long Island Sound Cheliped and abdominal tissue. Length 78-132 mm, wt 186-687 g New York Bight CRUSTACEANS; NEW YORK; MUSCLES; CADMIUM; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION; WATER POLLUTION	Roberts, A.E. Hill, D.R. Tifft, E.C., Jr. 1982 Bulletin of Environmental Contamination and Toxicology 29:711-718

Biphenyl, chloro (8 CI)
1,1'-Biphenyl, chloro deriva (9 CI)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Mullet, grey
CHELON LABROSUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1665 Body	Ingestion	GC	a) 10 b) 20	a) Not given b) Not given	a) 87 +or- 17 ppm b) 5.3 +or- 0.7 ppm Wet wt	a) 0.5 ppm in H2O for 30 days (wt 51 g) b) 50 ug/g in food for 30 days (wt 56 g) Carcass Juveniles BODY; LIVER; MUSCLES; BIOACCUMULATION; FISHES; POLYCHLORINATED BIPHENYLS	Narbonne, J.F. 1979 Bulletin of Environmental Contamination and Toxicology 22:60-64
1666 Liver	Ingestion	GC	a) 10 b) 20	a) Not given b) Not given	a) 135 +or- 23 ppm b) 19 +or- 4 ppm Wet wt	a) 0.5 ppm in H2O for 30 days (wt 51 g) b) 50 ug/g in food for 30 days (wt 56 g) Juveniles BODY; LIVER; MUSCLES; BIOACCUMULATION; FISHES; POLYCHLORINATED BIPHENYLS	Narbonne, J.F. 1979 Bulletin of Environmental Contamination and Toxicology 22:60-64
1667 Muscle	Ingestion	GC	a) 10 b) 20	a) Not given b) Not given	a) 79 +or- 9 ppm b) 1.2 +or- 0.3 ppm Wet wt	a) 0.5 ppm in H2O for 30 days (wt 51 g) b) 50 ug/g in food for 30 days (wt 56 g) Juveniles BODY; LIVER; MUSCLES; BIOACCUMULATION; FISHES; POLYCHLORINATED BIPHENYLS	Narbonne, J.F. 1979 Bulletin of Environmental Contamination and Toxicology 22:60-64

Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro deriva (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Mussel, swan
ANODONTA CYGNEA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1668 Body		GC	13	Not given	15 ng/g wet wt	6.1 ug/g lipid wt. Collected 5-10/79 Switzerland, Lake Geneva (E), Les Grangettes BIRDS; EGGS; MOLLUSKS; SWITZERLAND; BODY; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYBROMINATED BIPHENYLS	Mourer, J. Aswald, K. Burgermeister, G. Machado, L. Tarradellas, J. 1982 Ambio 11(6):350-358

Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro deriva (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Mussel, zebra
DREISSENA POLYMORPHA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1669 Body		GC	75	Not given	56 ng/g wet wt	5.7 ug/g lipid wt. Collected 5-10/79 Switzerland, Lake Geneva (E), Les Grangettes BIRDS; EGGS; MOLLUSKS; SWITZERLAND; BODY; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYBROMINATED BIPHENYLS	Mourer, J. Aswald, K. Burgermeister, G. Machado, L. Tarradellas, J. 1982 Ambio 11(6):350-358

Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro deriva (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Owl, screech
OTUS ASIO

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1670 Body	Ingestion	GC-EC	a) 1 b) 1 c) 1 d) 4 e) 4 f) 10 g) 10 h) 2	a) Not applicable b) Not applicable c) Not applicable d) 0.61-0.74 ppm e) 0.66-1.15 ppm f) 0.29-0.98 ppm g) 0.96-2.16 ppm h) 10.6-15.0 ppm Wet wt	a) 1.87 ppm b) 4.14 ppm c) 4.54 ppm d) 0.68 ppm e) 0.88 ppm f) 0.73 ppm g) 1.37 ppm h) 12.8 ppm Wet wt	a) Downy young, control 1977 b) Downy young, dosed 1976 c) Downy young, dosed 1977 d) Fledglings, controls 1976 e) Fledglings, controls 1977 f) Fledglings, dosed 1976 g) Fledglings, dosed 1977 h) Adults, dosed 1977 Hatched by captive birds on 3 ppm Arochlor 1248 diet for 8 wk during 2 breeding seasons No detectable effects on reproduction BIRDS; EGGS; JUVENILES; MARYLAND; ADULTS; BODY; BIOACCUMULATION; PESTICIDE RESIDUES; DDE; DIELDRIN; POLYCHLORINATED BIPHENYLS	McLane, M.A.R. Hughes, D.L. 1980 Archives of Environmental Contamination and Toxicology 9(6):661-665
1671 Eggs	Ingestion	GC-EC	a) 9 b) 9 c) 9 d) 9	a) 0.72-2.17 ppm b) 0.76-1.54 ppm c) 2.24-4.84 ppm d) 3.98-17.8 ppm Wet wt	a) 1.17 ppm b) 1.8 ppm c) 3.32 ppm d) 7.12 ppm Wet wt	a) Controls, 1976 b) Controls, 1977 c) Dosed, 1976 d) Dosed, 1977 Laid by captive birds on 3 ppm Arochlor 1248 diet for 8 wk during 2 breeding seasons No detectable effects on reproduction BIRDS; EGGS; JUVENILES; MARYLAND; ADULTS; BODY; BIOACCUMULATION; PESTICIDE RESIDUES; DDE; DIELDRIN; POLYCHLORINATED BIPHENYLS	McLane, M.A.R. Hughes, D.L. 1980 Archives of Environmental Contamination and Toxicology 9(6):661-665

Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro deriva (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Pelican, brown
PELECANUS OCCIDENTALIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1672 Eggs		TLC	a) 3 b) 12 c) 21 d) 25 e) 38 f) 25	a) 3.0-5.0 ug/g b) 2.30-6.48 ug/g c) 1.10-5.30 ug/g d) 0.69-6.96 ug/g e) 1.49-8.02 ug/g f) 2.06-8.90 ug/g Wet wt	a) 3.91 ug/g b) 3.51 ug/g c) 2.89 ug/g d) 2.65 ug/g e) 3.03 ug/g f) 3.63 ug/g Wet wt Geometric means	a) 1971 b) 1972 c) 1973 d) 1974 e) 1975 f) 1976 Shell thickness means 6.7-13.5% less than pre-1947 Viable and addled eggs from birds transplanted from Florida to Louisiana 1968-76 Louisiana, Barataria Bay BIRDS; EGGS; LOUISIANA; DDD; DDE; DDT; DIELDRIN; CHLORINE ORGANIC COMPOUNDS; HEPTACHLOR EPOXIDE; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Blus, L. Cromartie, E. McNease, L. Joanen, T. 1979 Bulletin of Environmental Contamination and Toxicology 22:128-135

Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro deriva (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Penguin, chinstrap
PYGOSCELIS ANTARCTICA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1673 Adipose		AAS	7	Not given	0.1 ug/g wet wt	Collected 2/77 and 1/79 Antarctica, Bouvetoya BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Somme, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240

Biphenyl, chloro (8 CI)
1,1'-Biphenyl, chloro deriva (9 CI)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Penguin, macaroni
EUDYPTES CHRYSOLOPHUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1674 Adipose		AAS	7	Not given	0.1 ug/g wet wt	Collected 2/77 and 1/79 Antarctica, Vestfjella (C), Dronning Maud Land Antarctica, Bouvetoya BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Sonne, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240

Biphenyl, chloro (8 CI)
1,1'-Biphenyl, chloro deriva (9 CI)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Perch
PERCA FLUVIATILIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1675 Adipose		GC-EC	a) 23 b) 4	a) 6.8-20 ppm b) Not given Wet wt	a) Not given b) 9.9 ppm Wet wt	a) Males, age 1-3 yr, 8.3-26 ppm lipid wt b) Females, age 2 yr, 15 ppm lipid wt Abdominal fat, collected during reproductive period France, Lake Leman GILLS; EGGS; FRANCE; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; SEMEN; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYCHLORINATED BIPHENYLS	Monod, G. Keck, G. 1982 Bulletin of Environmental Contamination and Toxicology 29:570-576
1676 Body		GC	6	Not given	880 ng/g wet wt	13 ug/g lipid wt. Collected 5-10/79 Switzerland, Lake Geneva (E), Les Grangettes BIRDS; EGGS; MOLLUSKS; SWITZERLAND; BODY; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYBROMINATED BIPHENYLS	Mowrer, J. Aswald, K. Burgermeister, G. Machado, L. Tarradellas, J. 1982 Ambio 11(6):350-358

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Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro deriva (8 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Perch
PERCA FLUVIATILIS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1677 Eggs		GC-EC	4	Not given	0.09 ppm wet wt	6.4 ppm wet wt, age 1-3 yr France, Lake Leman GILLS; EGGS; FRANCE; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; SEMEN; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYCHLORINATED BIPHENYLS	Monod, G. Keck, G. 1982 Bulletin of Environmental Contamination and Toxicology 29:570-576
1678 Gills		GC-EC	a) 23 b) 4	a) 0.28-0.32 ppm b) Not given Wet wt	a) Not given b) 0.14 ppm Wet wt	a) Males, age 1-3 yr, 12-18 ppm lipid wt b) Females, age 2 yr, 3.5 ppm lipid wt Collected during reproductive period France, Lake Leman GILLS; EGGS; FRANCE; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; SEMEN; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYCHLORINATED BIPHENYLS	Monod, G. Keck, G. 1982 Bulletin of Environmental Contamination and Toxicology 29:570-576
1679 Kidney		GC-EC	a) 23 b) 4	a) 0.36-0.47 ppm b) Not given Wet wt	a) Not given b) 0.64 ppm Wet wt	a) Males, age 1-3 yr, 6.8-8.9 ppm lipid wt b) Females, age 2 yr, 8.5 ppm lipid wt Collected during reproductive period France, Lake Leman GILLS; EGGS; FRANCE; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; SEMEN; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYCHLORINATED BIPHENYLS	Monod, G. Keck, G. 1982 Bulletin of Environmental Contamination and Toxicology 29:570-576
1680 Liver		GC-EC	23	0.21-0.29 ppm wet wt	Not given	6.8-8.9 ppm lipid wt. Collected during reproductive period, age 1-3 yr France, Lake Leman GILLS; EGGS; FRANCE; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; SEMEN; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYCHLORINATED BIPHENYLS	Monod, G. Keck, G. 1982 Bulletin of Environmental Contamination and Toxicology 29:570-576

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Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro deriva (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Perch
PERCA FLUVIATILIS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1681 Muscle		GC-EC	a) 23 b) 6	a) 0.04-0.08 ppm b) Not given Wet wt	a) Not given b) 0.05 ppm Wet wt	a) Males, age 1-3 yr, 10-12 ppm lipid wt b) Females, age 2 yr, 17 ppm lipid wt Collected during reproductive period France, Lake Leman GILLS; EGGS; FRANCE; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; SEMEN; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYCHLORINATED BIPHENYLS	Monod, G. Keck, G. 1982 Bulletin of Environmental Contamination and Toxicology 29:570-576
1682 Semen		GC-EC	23	Not given	0.2 ppm wet wt	Milt, 10-12 ppm lipid wt, age 1-3 yr France, Lake Leman GILLS; EGGS; FRANCE; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; SEMEN; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYCHLORINATED BIPHENYLS	Monod, G. Keck, G. 1982 Bulletin of Environmental Contamination and Toxicology 29:570-576

Biphenyl, chloro (9 Cl)
1,1'-Biphenyl, chloro deriva (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Pigeon, cape
DAPTION CAPENSE

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1683 Adipose		AAS	2	Not given	0.3 ug/g wet wt	Collected 2/77 and 1/79 Antarctica, Vestfjella (C), Dronning Maud Land Antarctica, Bouvetoya BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Sonne, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240

Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro derivs (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Rail, clapper
RALLUS LONGIROSTRIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1684 Eggs		GC-EC	a) 10 b) 19 c) 20	a) Not detected-1.2 ppm b) Not detected-2.1 ppm c) <0.5-2.7 ppm Wet wt	a) <0.5 ppm b) <0.5 ppm c) <0.5 ppm Wet wt Geometric means	a) South Carolina, Charleston County b) Virginia, Accomack and Northampton Counties c) New Jersey, Cape May and Atlantic Counties Collected 1972-73 South Carolina Virginia New Jersey No evidence of shell thinning BIRDS; EGGS; FLORIDA; LOUISIANA; NEW JERSEY; SOUTH CAROLINA; VIRGINIA; BIOACCUMULATION; PESTICIDE RESIDUES; DDE; POLYCHLORINATED BIPHENYLS	Klass, E.E. Ohlendorf, H.M. Cromartie, E. 1980 Pesticides Monitoring Journal 14(3):90-94

Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro derivs (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Roach
RUTILUS RUTILUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1685 Adipose		GC-EC	a) 5 b) 10	a) 6.3-10 ppm b) 3.7-5.8 ppm Wet wt	a) Not given b) Not given	a) Males, 9.7-23 ppm lipid wt b) Females, 3.7-5.8 ppm lipid wt Abdominal fat, age 3-6 yr France, Lake Leman GILLS; EGGS; FRANCE; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; SEMEN; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYCHLORINATED BIPHENYLS	Monod, G. Keck, G. 1982 Bulletin of Environmental Contamination and Toxicology 29:570-576
1686 Body		GC	6	Not given	800 ng/g wet wt	0.8 ug/g lipid wt. Collected 5-10/79 Switzerland, Lake Geneva (E), Les Grangettes BIRDS; EGGS; MOLLUSKS; SWITZERLAND; BODY; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYBROMINATED BIPHENYLS	Mourer, J. Aswald, K. Burgermeister, G. Machado, L. Tarradellas, J. 1982 Ambio 11(6):350-358

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Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro deriva (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Bmach
BUTILUS BUTILUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1687 Eggs		GC-EC	10	0.08-0.11 ppm wet wt	Not given	9.7-20 ppm lipid wt, age 3-6 yr France, Lake Leman GILLS; EGGS; FRANCE; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; SEMEN; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYCHLORINATED BIPHENYLS	Mesnod, G. Keck, G. 1982 Bulletin of Environmental Contamination a[illegible] Toxicology 29:5[illegible]576
1688 Gills		GC-EC	a) 5 b) 10	a) 0.20-0.24 ppm b) 0.08-0.10 ppm Wet wt	a) Not given b) Not given	a) Males, 6.9-14 ppm lipid wt b) Females, 5.8-8.0 ppm lipid wt Collected during reproductive period, age 3-6 yr France, Lake Leman GILLS; EGGS; FRANCE; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; SEMEN; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYCHLORINATED BIPHENYLS	Mesnod, G. Keck, G. 1982 Bulletin of Environmental Contamination and Toxicology 29:570-576
1689 Kidney		GC-EC	a) 5 b) 10	a) 0.48-1.3 ppm b) 0.40-0.61 ppm Wet wt	a) Not given b) Not given	a) Males, 7.6-13 ppm lipid wt b) Females, 6-12 ppm lipid wt Collected during reprod[illegible] age 3-6 yr France, Lake Leman GILLS; EGGS; FRANCE; ADIPOSE T[illegible]SUE; KIDNEYS; LIVER; MUSCLES; SEMEN; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYCHLORINATED BIPHENYLS	Mesnod, G. Keck, G. 1982 Bulletin of Environmental Contamination and Toxicology 29:570-576
1690 Liver		GC-EC	a) 5 b) 10	a) 0.21-1.25 ppm b) 0.20-0.70 ppm Wet wt	a) Not given b) Not given	a) Males, 5.3-21 ppm lipid wt b) Females, 9.1-[illegible]2 ppm lipid wt Collected during [illegible] age 3-6 yr France, Lake Leman GILLS; EGGS; FRANCE; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; SEMEN; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYCHLORINATED BIPHENYLS	Mesnod, G. Keck, G. 1982 Bulletin of Environmental Contamination and Toxicology 29:570-576

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Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro deriva (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Roach
RUTILUS RUTILUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1691 Muscle		GC-EC	a) 5 b) 10	a) 0.04-0.29 ppm b) 0.07-0.23 ppm Wet wt	a) Not given b) Not given	a) Males, 5.7-15 ppm lipid wt b) Females, 7-11 ppm lipid wt Collected during reproductive period, age 3-6 yr France, Lake Leman GILLS; EGGS; FRANCE; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; SEMEN; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYCHLORINATED BIPHENYLS	Monod, G. Keck, G. 1982 Bulletin of Environmental Contamination and Toxicology 29:570-576
1692 Semen		GC-EC	5	0.04-0.33 ppm wet wt	Not given	Milt, 4.4-17 ppm lipid wt, age 3-6 yr France, Lake Leman GILLS; EGGS; FRANCE; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; SEMEN; BIOACCUMULATION; FISHES; WATER POLLUTION; POLYCHLORINATED BIPHENYLS	Monod, G. Keck, G. 1982 Bulletin of Environmental Contamination and Toxicology 29:570-576

Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro deriva (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Seal, harp
PHOCOPHILUS GROENLANDICUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1693 Adipose		GC-EC	a) 11 b) 20	a) 0.49-13.30 ppm b) 1.150-6.226 ppm Wet wt	a) 3.232 ppm b) 2.264 ppm Wet wt	a) Adults, 3/71, age 1-10 yr b) Pups, 3/73, age <2 wk Blubber Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosewell, K.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192

(NEXT PAGE)

Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro derivs (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Seal, harp
PHAGOPHILUS GROENLANDICUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1694 Brain		GC-EC	10	0.004-0.010 ppm wet wt	0.007 ppm wet wt	Pups, caught 3/73 Age <2 wk Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosewell, K.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192
1695 Gonads		GC-EC	2	0.002-0.008 ppm wet wt	0.005 ppm wet wt	Pups, caught 3/73 Age <2 wk Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosewell, K.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192
1696 Kidney		GC-EC	11	0.04-1.54 ppm wet wt	0.446 ppm wet wt	Adults, caught 3/71 Age 1-10 yr Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosewell, K.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192
1697 Liver		GC-EC	a) 10 b) 10	a) 0.11-1.45 ppm b) 0.39-0.145 ppm Wet wt	a) 0.6 ppm b) 0.09 ppm Wet wt	a) Adults, 3/71, age 1-10 yr b) Pups, 3/73, age < 2 wk Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosewell, K.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192
1698 Muscle		GC-EC	10	0.06-1.10 ppm wet wt	0.418 ppm wet wt	Adults, caught 3/71 Age 1-10 yr Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosewell, K.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192

(NEXT PAGE)

Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro derivs (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Seal, harp
PHAGOPHILUS GROENLANDICUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1699 Spleen		GC-EC	10	0.07-2.57 ppm wet wt	0.461 ppm wet wt	Adults, caught 3/71 Age 1-18 yr Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosevell, E.T. Muir, D.C.G. Baker, R.E. 1979 Pesticides Monitoring Journal 12(4):189-192

Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro derivs (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Skua, brown
CATHARACTA LONNBERGI

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1700 Liver		AAS	8	Not given	0.48 +or- 0.32 ug/g wet wt	Collected 2/77 and 1/79 Antarctica, Vestfjella (C), Dronning Maud Land Antarctica, Souvetoya BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Sonne, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240

Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro deriva (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Skua, south polar
CATHARACTA MACCORMICKI

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1701 Adipose		AAS	7	Not given	4.1 +or- 3.1 ug/g wet wt	Collected 2/77 Antarctica, Vestfjella (C), Dronning Maud Land BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G Somme, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240
1702 Liver		AAS	8	Not given	0.35 +or- 0.26 ug/g wet wt	Collected 2/77 Antarctica, Vestfjella (C), Dronning Maud Land BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Somme, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240

Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro deriva (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Sparrowhawk
ACCIPITER NISUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1703 Eggs			163	a) Not given b) Not given c) Not given	a) 50.5 ppm b) 97.7 ppm c) 77.6 ppm Lipid wt Geometric means	a) Age 1 yr, eggs from 37 clutches b) Age 2 yr, eggs from 23 clutches c) Age 3+ yr, eggs from 103 clutches Collected 1971-78. Corrected values for concentration differences between years also given United Kingdom, Scotland (S), Annan and Esk River Valley BIRDS; EGGS; SCOTLAND; AGE; DDE; DIELDRIN; POLYCHLORINATED BIPHENYLS; PESTICIDE RESIDUES	Newton, I. Bogan, J. Marquis, M. 1981 Environmental Pollution (Series A) 25:155-160

Biphenyl, chloro (8 CI)
1,1'-Biphenyl, chloro deriva (9 CI)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Tern, arctic
STERNA PARADISAEA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1704 Eggs		GC-EC	19	a) Not given b) Not given	a) 27.7 +or- 3.9 mg/kg b) 2.9 +or- 0.4 mg/kg	a) Lipid wt b) Wet wt 10.6% fat. Collected 1974-75 Finland (SW), archipelago. Kustavi parish BIRDS; JUVENILES; EGGS; FINLAND; ADULTS; NEWBORN; LIVER; MUSCLES; DDT; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Lemmetyinen, R. Rantamaki, P. Karlin, A. 1982 Chemosphere 11(10):1059-1068
1705 Liver		GC-EC	9	a) Not given b) Not given	a) 44.0 +or- 8.5 mg/kg b) 4.3 +or- 1.3 mg/kg	a) Lipid wt b) Wet wt 8.1% fat. Newly hatched, collected 1969-74 Finland (SW), archipelago BIRDS; JUVENILES; EGGS; FINLAND; ADULTS; NEWBORN; LIVER; MUSCLES; DDT; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Lemmetyinen, R. Rantamaki, P. Karlin, A. 1982 Chemosphere 11(10):1059-1068
1706 Muscle		GC-EC	39	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given	a) 18.1 +or- 2.0 mg/kg b) 0.6 +or- 0.0 mg/kg c) 40.3 +or- 13.0 mg/kg d) 2.1 +or- 0.5 mg/kg e) 74.6 +or- 16.0 mg/kg f) 6.0 +or- 0.5 mg/kg	a) Chicks, age 2-3 wk, lipid wt b) Chicks, age 2-3 wk, wet wt c) Adults, male, lipid wt d) Adults, male, wet wt e) Adults, female, lipid wt f) Adults, female, wet wt Pectoral muscle, chicks 4.3% fat, adults 5.9% fat. Collected 1969-74 Finland (SW), archipelago BIRDS; JUVENILES; EGGS; FINLAND; ADULTS; NEWBORN; LIVER; MUSCLES; DDT; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Lemmetyinen, R. Rantamaki, P. Karlin, A. 1982 Chemosphere 11(10):1059-1068

Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro derivs (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Tern, least
STERNA ALBIFRONS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1707 Eggs		GC	a) 9 b) 20 c) 15	a) 0.25-1.10 ug/g b) 0.67-1.90 ug/g c) 0.25-1.03 ug/g Wet wt	a) 0.40 ug/g b) 1.08 ug/g c) 0.62 ug/g Wet wt Geometric means	a) 1972, shell thickness 0.145 +or- 0.005 mm b) 1974, shell thickness 0.142 +or- 0.002 mm c) 1975, shell thickness 0.149 +or- 0.004 mm Shell thickness 2-7% thinner than pre-1947 Collected from 4 nesting colonies South Carolina, Cape Romain National Wildlife Refuge No evidence of population decline EGGS; BIRDS; SOUTH CAROLINA; BIOACCUMULATION; DDE; POLYCHLORINATED BIPHENYLS	Blus, L.J. Prouty, R.M. 1979 Wilson Bulletin 91(1):62-71

Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro derivs (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Tomcod, Atlantic
MICROGADUS TOMCOD

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1708 Body		GC-EC	a) 3 b) 3 c) 3 d) 3	a) 0.02-0.10 ug/g b) 0.08-0.10 ug/g c) 0.08-0.67 ug/g d) 0.05-0.11 ug/g Wet wt	a) 0.07 ug/g b) 0.08 ug/g c) 0.26 ug/g d) 0.27 ug/g Wet wt	a) Normal liver b) Hemorrhagic liver c) Small pustules in liver d) Tumors in liver Homogenate of entire fish (liver and gonads removed). Identified PCBs are Arochlor 1016 and 1254. Collected during winter '78 spawning season Age 1 yr, length 142-213 mm New York, Hudson River Estuary Liver enlargement and discoloration, neoplastic nodules of hepatocytes and hepatocellular carcinoma ADULTS; LIVER DISEASES; BODY; LIVER; OVARIES; TESTES; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION; FISHES; WATER POLLUTION	Klauda, R.J. Peck, T.H. Rice, G.E. 1981 Bulletin of Environmental Contamination and Toxicology 27:829-835

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Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro deriva (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Tomcod, Atlantic
MICROGADUS TOMCOD

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1709 Liver		GC-EC	a) 3 b) 3 c) 3 d) 3	a) 20.32-49.18 ug/g b) 15.09-59.07 ug/g c) 10.98-98.22 ug/g d) 16.02-36.96 ug/g Wet wt	a) 32.98 ug/g b) 35.22 ug/g c) 55.17 ug/g d) 26.70 ug/g Wet wt	a) Normal b) Hemorrhagic c) Small pustules d) Tumors Identified PCBs are Arochlor 1016 and 1254. Collected during winter '78 spawning season Age 1 yr, length 142-213 mm New York, Hudson River Estuary Liver enlargement and discoloration, neoplastic nodules of hepatocytes and hepatocellular carcinoma ADULTS; LIVER DISEASES; BODY; LIVER; OVARIES; TESTES; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION; FISHES; WATER POLLUTION	Klauda, R.J. Peck, T.H. Rice, G.E. 1981 Bulletin of Environmental Contamination and Toxicology 27:829-835
1710 Ovary		GC-EC	a) 1 b) 1 c) 2	a) Not applicable b) Not applicable c) 0.12-0.83 ug/g Wet wt	a) 0.10 ug/g b) 0.08 ug/g c) 0.48 ug/g Wet wt	a) Hemorrhagic liver b) Small pustules in liver c) Tumors in liver Identified PCBs are Aroclor 1016 and 1254. Collected during winter '78 spawning season Age 1 yr, length 146-190 mm New York, Hudson River Estuary Liver enlargement and discoloration, neoplastic nodules of hepatocytes and hepatocellular carcinoma ADULTS; LIVER DISEASES; BODY; LIVER; OVARIES; TESTES; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION; FISHES; WATER POLLUTION	Klauda, R.J. Peck, T.H. Rice, G.E. 1981 Bulletin of Environmental Contamination and Toxicology 27:829-835

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Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro derivs (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Tomcod, Atlantic
MICROGADUS TOMCOD

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1711 Testis		GC-EC	a) 3 b) 2 c) 2 d) 1	a) 0.68-1.64 ug/g b) 0.19-0.83 ug/g c) 0.89-7.35 ug/g d) Not applicable Wet wt	a) 1.05 ug/g b) 0.51 ug/g c) 4.12 ug/ d) 0.46 ug Wet wt	Normal liver morrhagic liver ll pustules in liver ors in liver d PCBs are Arochlor 1016 and ected during winter '78 eason length 142-213 mm , Hudson Rive nlargement and tic nodules of ellular carcino ADULTS; LIVER DISEASES; OVARIES; TESTES; POLYCHLO BIPHENYLS; BIOACCUMULATION; WATER POLLUTION	Klauda, R.J. Peck, T.H. Rice, G.K. 1981 Bulletin of Environmental Contamination and Toxicology 27:829-835

Biphenyl, chloro (8 Cl)
1,1'-Biphenyl, chloro derivs (9 Cl)
1336-36-3
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Trout
SALMO TRUTTA LACUSTRIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL [illegible]ATION	REFERENCE
1712 Body		GC	4	Not given	1000 ng/g wet wt	24 ug/g lipid wt. C[illegible]lected 5-10/79 Switzerland, Lake Ge[illegible]es Grangettes BIRDS; EGGS; MOLLUS[illegible]ND; BODY; BIOACCUMULA[illegible]ATER POLLUTION; POLYBR[illegible]ENYLS	Woerer, J. Aswald, K. Burgermeister, G. Machado, L. Tarradellas, J. 1982 Ambio 11(6):350-358

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Bluefish, marine
POMATOMUS SALTATRIX

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1713 Muscle		AAS	a) 1-3 b) 1 c) 1 d) 1	a) Not given b) Not given c) Not given d) Not given	a) 0.06 +or- 0.02 ug/g b) 0.11 ug/g c) 0.02 +or- 0.01 ug/g d) 0.06 +or- 0 ug/g Dry wt	a) Stainless steel b) Titanium c) Lexan plastic d) Teflon-coated stainless steel Dissecting tool materials Dorsal muscle, fish wt 917-20 g, length 43.5-44.2 cm Virginia, Esmore TELLURIUM; MOLLUSKS; NEW YORK; BODY; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER, LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION; FISHES	Heit, M. Klusek, C.S. 1982 Science of the Total Environment 24:129-134

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Bullhead, brown
ICTALURUS NEBULOSUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1714 Blood		AAS	a) 4 b) 4 c) 4 d) 4	a) Not given b) Not given c) Not given d) Not given	a) 0.19 +or- 0.1 ug/ml b) 1.67 +or- 0.5 ug/ml c) 0.15 +or- 0.1 ug/ml d) 3 +or- 1 ug/ml	a) Controls b) 61.3 ppm CdCl2 for 2 hr, immediate sacrifice c) Controls d) 61.3 ppm CdCl2 for 2 hr, 24 hr uptake Subadults, length 15 cm, wt 50 g Loss of red blood cells after 24 hr, increase of total white blood cells immediately and after 24 hr, slight increase in hemoglobin level. Lymphopenia, thrombocytosis, and neutrophilia NEW YORK; CARDIOVASCULAR DISEASES; BLOOD; KIDNEYS; CADMIUM; BIOACCUMULATION; WATER POLLUTION; FISHES	Garofano, J.S. Hirshfield, H.I. 1982 Bulletin of Environmental Contamination and Toxicology 28:552-556

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Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Bullhead, brown
ICTALURUS NEBULOSUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1715 Kidney		AAS	a) 4 b) 4 c) 4 d) 4	a) Not given b) Not given c) Not given d) Not given	a) 0.91 +or- 0.2 ug/g b) 3.69 +or- 0.6 ug/g c) 1.37 +or- 0.4 ug/g d) 6.12 +or- 1.5 ug/g Dry wt	a) Controls b) 61.3 ppm CdCl2 for 2 hr, immediate sacrifice c) Controls d) 61.3 ppm CdCl2 for 2 hr, 24 hr uptake Head kidney Subadults, length 15 cm, wt 50 g Loss of red blood cells after 24 hr, increase of total white blood cells immediately and after 24 hr, slight increase in hemoglobin level. Lymphopenia, thrombocytosis, and neutrophilia NEW YORK; CARDIOVASCULAR DISEASES; BLOOD; KIDNEYS; CADMIUM; BIOACCUMULATION; WATER POLLUTION; FISHES	Garofano, J.S. Hirshfield, H.I. 1982 Bulletin of Environmental Contamination and Toxicology 28:552-556

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Canvasback
AYTHYA VALISINERIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1716 Kidney		AAS	a) 5 b) 5 c) 5 d) 5	a) 0.06-3.1 ppm b) 0.69-4.6 ppm c) 0.06-0.32 ppm d) 0.02-0.27 ppm Wet wt	a) 1.1 ppm b) 1.6 ppm c) 0.12 ppm d) 0.05 ppm Wet wt Geometric means	a) Adult males b) Adult females c) Immature males d) Immature females Collected 1976 Iowa, Keokuk, Mississippi River BIRDS; JUVENILES; IOWA; WISCONSIN; ADULTS; BONES; KIDNEYS; LIVER; BIOACCUMULATION; CADMIUM; LEAD; MERCURY; NICKEL	Fleming, W.J. 1981 Journal of Wildlife Management 45(2):508-511

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Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C. VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Canvasback
AYTHYA VALISINERIA

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1717 Kidney		AAS	a) 113 b) 69	a) Not given b) Not given	a) 2.3 +or- 0.16 ppm a) 2.3 +or- 0.23 ppm Wet wt	a) 1975 b) 1976 Maryland, Chesapeake Bay BIRDS; MARYLAND; BODY; BONES; KIDNEYS; LIVER; CADMIUM; CHLORINE ORGANIC COMPOUNDS; CHROMIUM; COPPER; DDD; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; LEAD; MERCURY; POLYCHLORINATED BIPHENYLS; ZINC; BIOACCUMULATION; PESTICIDE RESIDUES	White, D.H Stendell, R.C. Hulbern, B.H. 1979 Wilson Bulletin 91(2):279-287
1718 Liver		AAS	29	Not given	0.39 +or- 0.09 ppm wet wt	Collected 1973 Maryland, Chesapeake Bay BIRDS; MARYLAND; BODY; BONES; KIDNEYS; LIVER; CADMIUM; CHLORINE ORGANIC COMPOUNDS; CHROMIUM; COPPER; DDD; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; LEAD; MERCURY; POLYCHLORINATED BIPHENYLS; ZINC; BIOACCUMULATION; PESTICIDE RESIDUES	White, D.H. Stendell, R.C. Hulbern, B.H. 1979 Wilson Bulletin 91(2):279-287

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Cattle
BOS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1719 Blood	Ingestion	AAS	48	a) Not given b) Not given c) Not given	a) <0.01 mg/l b) <0.01 mg/l c) <0.01 mg/l	a) Control pasture, Pensacola bahiagrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season 168 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Edds, G.T. West, R.L. 1981 Journal of Animal Science 53(1):146-153
1720 Kidney	Ingestion	AAS	48	a) Not given b) Not given c) Not given	a) 0.27 +or- 0.10 mg/kg b) 0.28 +or- 0.27 mg/kg c) 0.24 +or- 0.08 mg/kg Wet wt	a) Control pasture, Pensacola bahiagrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season 168 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Edds, G.T. West, R.L. 1981 Journal of Animal Science 53(1):146-153
1721 Kidney		AAS	174	0.005-2.60 mg/kg wet wt	0.37 +or- 0.52 mg/kg wet wt	From abattoirs in 10 selected 100-sq km areas representing a cross-section of industries. Australia, Queensland CATTLE; AUSTRALIA; KIDNEYS; LIVER; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; SELENIUM; ZINC; BIOACCUMULATION; INDUSTRIAL AREAS	Kramer, M.L. Steiner, J.W. Vallely, P.J. 1983 Bulletin of Environmental Contamination and Toxicology 30:588-594

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Cadmium
7440-43-9
Cd
Atw 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Cattle
BOS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1722 Liver	Ingestion	AAS	48	a) Not given b) Not given c) Not given	a) 0.04 +or- 0.01 mg/kg b) 0.06 +or- 0.02 mg/kg c) 0.07 +or- 0.03 mg/kg Wet wt	a) Control pasture, Pensacola bahiagrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season. 168 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Edds, G.T. West, R.L. 1981 Journal of Animal Science 53(1):146-153
1723 Liver		AAS	179	0.005-0.57 mg/kg wet wt	0.06 +or- 0.05 mg/kg wet wt	From abattoirs in 10 selected 100-sq km areas representing a cross-section of industries. Australia, Queensland CATTLE; AUSTRALIA; KIDNEYS; LIVER; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; SELENIUM; ZINC; BIOACCUMULATION; INDUSTRIAL AREAS	Kramer, M.L. Steiner, J.W. Vallely, P.J. 1983 Bulletin of Environmental Contamination and Toxicology 30:588-594
1724 Muscle	Ingestion	AAS	48	a) Not given b) Not given c) Not given	a) <0.01 mg/kg b) <0.01 mg/kg c) <0.01 mg/kg Wet wt	a) Control pasture, Pensacola bahiagrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season 168 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Edds, G.T. West, R.L. 1981 Journal of Animal Science 53(1):146-153

(NEXT PAGE)

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Cattle
BOS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1725 Muscle		AAS	181	<0.001-0.04 mg/kg wet wt	0.001 +or- 0.003 mg/kg wet wt	From abattoirs in 10 selected 100-sq km areas representing a cross-section of industries. 158 samples below detection limit. Australia, Queensland CATTLE; AUSTRALIA; KIDNEYS; LIVER; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; SELENIUM; ZINC; BIOACCUMULATION; INDUSTRIAL AREAS	Kramer, H.L. Steiner, J.W. Valloly, P.J. 1983 Bulletin of Environmental Contamination and Toxicology 30:588-594

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Chicken

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1726 Kidney	Ingestion	AAS	a) 5 b) 5 c) 5 d) 5 e) 5 f) 5 g) 5 h) 5	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given	a) 0.19 ug/g b) 81.10 ug/g c) 0.20 ug/g d) 59.33 ug/g e) 188.66 ug/g f) 171.30 ug/g g) 212.20 ug/g h) 215.50 ug/g Dry wt	a) Basal diet b) Basal Diet + 30 mg Cd/kg c) Basal diet + 0.59% cysteine d) Basal diet + 30 mg Cd/kg + 0.59% cysteine e) Basal diet + 60 mg Cd/kg f) Basal diet + 60 mg Cd/kg + 0.59% cysteine g) Basal diet + 60 mg Cd/kg, E. ACERVULINA infected h) Basal diet + 60 mg Cd/kg + 0.59% cysteine, E. ACERVULINA infected Diets on days 9-23 posthatching New Hampshire X Columbian chicks Initial wt 91 g Depressed weight gain not counteracted by cysteine BIRDS; JUVENILES; ILLINOIS; KIDNEYS; BIOACCUMULATION; CADMIUM	Czarnecki, G.L. Baker, D.H. 1982 Journal of Animal Science 54(5):983-988

Cadmium
7440-43-9
Cd
Atw 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Clam
RANGIA CUNEATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1727 Body		AAS	42	Not given	<0.05 ug/g wet wt	Composite samples, adults collected 12/78 prior to operation of ore refinery Mississippi, St. Louis Bay (MW) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Cadmium
7440-43-9
Cd
Atw 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Clam, softshell
MYA ARENARIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1728 Muscle		AAS	111	Not given	0.028 +or- 0.021 ug/g wet wt	Total soft tissues. Collected 1970-74 Oregon, coast CRUSTACEANS; HEPATOPANCREAS; MOLLUSKS; OREGON; MUSCLES; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; IRON; MANGANESE; MERCURY; ZINC	Caldwell, R.S. Buhler, D.R. 1983 Archives of Environmental Contamination and Toxicology 12:15-23

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Cockle
CLINOCARDIUM NUTTALLII

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1729 Muscle		AAS	59	Not given	0.022 +or- 0.031 ug/g wet wt	Total soft tissues. Collected 1970-74 Oregon, coast CRUSTACEANS; HEPATOPANCREAS; MOLLUSKS; ORGSOM; MUSCLES; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; IRON; MANGANESE; MERCURY; ZINC	Caldwell, R.S. Buhler, D.R. 1983 Archives of Environmental Contamination and Toxicology 12:15-23

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Crab

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1730 Body		AAS	12	0.029-0.088 ug/g wet wt	0.043 ug/g wet wt	Collected 6/81 in sewage outfall area. Mean sediment concentration 3 ug/g Wt 36.7-163.9 g Saudi Arabia, Arabian Gulf, AD-Dammam CRUSTACEANS; SAUDI ARABIA; JUVENILES; SEDIMENTS; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BIOACCUMULATION; WATER POLLUTION	Sadiq, M. Zaidi, T.H. Noda, A. Nian, A.A. 1982 Bulletin of Environmental Contamination and Toxicology 29:313-319

Cadmium
7440-43-9
Cd
Atw 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Crab, Dungeness
CANCER MAGISTER

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1731 Hepatopan creas		AAS	98	Not given	0.189 +or- 0.099 ug/g wet wt	Collected 1970-74 Oregon, coast CRUSTACEANS; HEPATOPANCREAS; MOLLUSKS; OREGON; MUSCLES; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; IRON; MANGANESE; MERCURY; ZINC	Caldwell, R.S. Buhler, D.R. 1983 Archives of Environmental Contamination and Toxicology 12:15-23
1732 Muscle		AAS	124	Not given	0.022 +or- 0.020 ug/g wet wt	Collected 1970-74 Oregon, coast CRUSTACEANS; HEPATOPANCREAS; MOLLUSKS; OREGON; MUSCLES; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; IRON; MANGANESE; MERCURY; ZINC	Caldwell, R.S. Buhler, D.R. 1983 Archives of Environmental Contamination and Toxicology 12:15-23

Cadmium
7440-43-9
Cd
Atw 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Crab, rock
CANCER IRRORATUS Say

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1733 Gills		AAS	97	<0.1-2.8 ppm wet wt	0.7 +or- 0.4 ppm wet wt	0.45 ppm mean for newly molted crabs. Collected 12/78-6/80 near sewage disposal site Adults, 5.5-13 cm carapace width New York Bight Discolored or blackened gills in 31% of crabs. Dense growth of fouling organisms in 40% of discolored gills. Color not associated with microbial fouling, tissue pathology or metal concentration CRUSTACEANS; GILLS; NEW YORK; ADULTS; CADMIUM; COPPER; LEAD; SILVER; BIOACCUMULATION; WATER POLLUTION	Greig, R.A. Sawyer, T.K. Lewis, E.J. Galasso, M.E. 1982 Archives of Environmental Contamination and Toxicology 11:539-545

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Drum, rod
SCIAENOPS OCELLATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1734 Gills		AAS	a) 1 b) 2	a) Not applicable b) Not given	a) <0.5 ppm b) <0.5 ppm Wet wt	a) Diseased, part of mass kill 6-7/80. Length 93 cm, wt 14 kg b) Controls, length 66 and 69 cm, wt 3.9 and 4.6 kg Florida, Titusville, Indian River and Mosquito Lagoon Lethargy, incoordination, death Elevated serum electrolyte concentrations, edematous gills, excessive mucus secretion GILLS; FLORIDA; ADULTS; METAL POISONING; KIDNEYS; LIVER; ARSENIC; CADMIUM; CHROMIUM; COPPER; MERCURY; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cardeilhac, P.T. Simpson, C.F. White, F.H. Thompson, N.P. Carr, W.H. 1981 Bulletin of Environmental Contamination and Toxicology 27:639-644
1735 Kidney		AAS	a) 1 b) 2	a) Not applicable b) Not applicable	a) <0.5 ppm b) <0.5 ppm Wet wt	a) Diseased, part of mass kill 6-7/80. Length 93 cm, wt 14 kg b) Controls, length 66 and 69 cm, wt 3.9 and 4.6 kg Florida, Titusville, Indian River and Mosquito Lagoon Lethargy, incoordination, death Elevated serum electrolyte concentrations, edematous gills, excessive mucus secretion GILLS; FLORIDA; ADULTS; METAL POISONING; KIDNEYS; LIVER; ARSENIC; CADMIUM; CHROMIUM; COPPER; MERCURY; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cardeilhac, P.T. Simpson, C.F. White, F.H. Thompson, N.P. Carr, W.H. 1981 Bulletin of Environmental Contamination and Toxicology 27:639-644

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Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Drum, red
SCIAENOPS OCELLATA

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1736 Liver		AAS	a) 2 b) 2	a) Not given b) Not given	a) 8.7 +or- 5 ppm b) <0.5 ppm Wet wt	a) Diseased, part of mass kill 6-7/80. Length 93 cm, wt 14 kg b) Controls, length 66 and 69 cm, wt 3.9 and 4.6 kg Florida, Titusville, Indian River and Mosquito Lagoon Lethargy, incoordination, death Elevated serum electrolyte concentrations, edematous gills, excessive mucus secretion GILLS; FLORIDA; ADULTS; METAL POISONING; KIDNEYS; LIVER; ARSENIC; CADMIUM; CHROMIUM; COPPER; MERCURY; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cardeilhac, P.T. Simpson, C.F. White, F.H. Thompson, N.P. Carr, W.E. 1981 Bulletin of Environmental Contamination and Toxicology 27:639-644

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Dunlin
CALIDRIS ALPINA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1737 Liver		AAS	1	Not applicable	<0.6 mg/kg dry wt	Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Earthworm
LUMBRISCUS TERRESTRIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1738 Body		ASV	100	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 60.6 ppm b) 5.8 ppm c) 17.1 ppm d) 2.7 ppm e) 84.0 ppm f) 0.6 ppm g) 1.3 ppm Dry wt	a) Whole worms, sludge-grown b) Whole worms, controls c) Digestive system removed, sludge-grown d) Digestive system removed, controls e) Sludge f) Manure g) Soil Collected from upper 10 in. of soil treated with municipal sludge or manure (controls) New York, Ithaca EARTHWORMS; SOILS; NEW YORK; BODY; CADMIUM; BIOACCUMULATION	Wade, S.E. Bache, C.A. Lisk, D.J. 1982 Bulletin of Environmental Contamination and Toxicology 28:557-560

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Grebe, little
TACHYBAPTUS RUFICOLLIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1739 Liver		AAS	1	Not applicable	<0.6 mg/kg dry wt	Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Lapwing
VANELLUS VANELLUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1740 Liver		AAS	1	Not applicable	<0.6 mg/kg dry wt	Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS: UNITED KINGDOM; LIVER; CADMIUM; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Lobster, American
HOMARUS AMERICANUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1741 Muscle		GC-EC	a) 10 b) 10 c) 10 d) 10	a) 11-34 ug/kg b) 12-23 ug/kg c) 13-36 ug/kg d) 10-23 ug/kg Wet wt	a) 24 ug/kg b) 17 ug/kg c) 18 ug/kg d) 15 ug/kg Wet wt	a) New Jersey site b) Dredged material disposal c) New York Harbor d) Long Island Sound Chelped and abdominal tissue. Length 78-132 mm, wt 186-687 g New York Bight CRUSTACEANS; NEW YORK; MUSCLES; CADMIUM; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION; WATER POLLUTION	Roberts, A.H. Hill, D.R. Tifft, E.C., Jr. 1982 Bulletin of Environmental Contamination and Toxicology 29:711-71?

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Mollusk
CRASSOSTREA MARGARITACEA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1742 Body		AAS	10	a) Not given b) Not given	a) 1.13 +or- 0.25 ug/g b) 2.70 +or- 0.90 ug/g Wet wt	a) Controls b) 100 ug/l for 3 wk South Africa, Knysna Heads MOLLUSKS; BIOACCUMULATION; BIOINDICATORS; WATER POLLUTION; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BODY; SOUTH AFRICA	Watling, H.R. 1983 Bulletin of Environmental Contamination and Toxicology 30:317-322
1743 Body		AAS	10	a) Not given b) Not given	a) 0.57 +or- 0.19 ug/g b) 2.05 +or- 0.54 ug/g Wet wt	a) Controls b) 100 ug/l for 3 wk South Africa, Knysna Heads MOLLUSKS; BIOACCUMULATION; BIOINDICATORS; WATER POLLUTION; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BODY; SOUTH AFRICA	Watling, H.R. 1983 Bulletin of Environmental Contamination and Toxicology 30:317-322
1744 Body		AAS	10	a) Not given b) Not given	a) 0.27 +or- 0.06 ug/g b) 1.40 +or- 0.16 ug/g Wet wt	a) Controls b) 100 ug/l for 3 wk South Africa, Cape Town, Bloubergstrand MOLLUSKS; BIOACCUMULATION; BIOINDICATORS; WATER POLLUTION; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BODY; SOUTH AFRICA	Watling, H.R. 1983 Bulletin of Environmental Contamination and Toxicology 30:317-322

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Moorhen
GALLINULA CHLOROPUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1745 Liver		AAS	5	Not given	<0.6 mg/kg dry wt	Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Mussel
MYTILUS EDULIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1746 Body		AAS	a) 20 b) 20 c) 20 d) 20 e) 20 f) 20 g) 20 h) 20 i) 20	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given	a) 7.2 ug b) 10.4 ug c) 9.0 ug d) 5.8 ug e) 5.6 ug f) 7.6 ug g) 5.5 ug h) 6.4 ug i) 7.0 ug	a) 10/23/79, wt 0.467 g b) 11/14/79, wt 0.692 g c) 1/14/80, wt 0.680 g d) 2/11/80, wt 0.626 g e) 3/10/80, wt 0.581 g f) 4/8/80, wt 0.630 g g) 5/7/80, wt 0.616 g h) 6/2/80, wt 0.686 g i) 6/17/80, wt 0.818 g Somatic tissue. Pooled samples Sexually mature population, size 50-60 mm Oregon, Newport, Yaquina Bay MOLLUSKS; GONADS; OREGON; ADULTS; BODY; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; MANGANESE; NICKEL; VANADIUM; ZINC	Latouche, Y.D. Hix, M.C. 1981 Bulletin of Environmental Contamination and Toxicology 27:821-826

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Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Mussel
MYTILUS EDULIS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1767 Body		AAS	a) 12 b) 12 c) 8	a) Not given b) Not given c) Not given	a) 0.8 +or- 0.2 ug/g b) 0.6 +or- 0.1 ug/g c) 1.1 +or- 0.6 ug/g Dry wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Soft tissue wet wt 2.7-20.4 g Maine MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Heit, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207
1768 Gonads		AAS	a) 20 b) 20 c) 20 d) 20 e) 20 f) 20 g) 20 h) 20 i) 20	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given	a) 0.26 ug b) 0.44 ug c) 0.42 ug d) 0.49 ug e) 0.44 ug f) 0.46 ug g) 0.34 ug h) 0.34 ug i) 0.49 ug	a) 10/23/79, wt 0.154 g b) 11/14/79, wt 0.178 g c) 1/14/80, wt 0.191 g d) 2/11/80, wt 0.151 g e) 3/10/80, wt 0.169 g f) 4/8/80, wt 0.209 g g) 5/7/80, wt 0.112 g h) 6/2/80, wt 0.128 g i) 6/17/80, wt 0.258 g Pooled samples Sexually mature population, size 50-60 mm Oregon, Newport, Yaquina Bay MOLLUSKS; GONADS; OREGON; ADULTS; BODY; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; MANGANESE; NICKEL; VANADIUM; ZINC	Latouche, Y.D. Hix, N.C. 1981 Bulletin of Environmental Contamination and Toxicology 27:821-828

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Mussel, freshwater
ELLIPTIO COMPLANATUS, LAMPSILUS RADIATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1749 Body		AAS	a) Several 100 b) 36	a) Not given b) Not given	a) 18 +or- 1.1 ug/g b) 8.5 +or- 4.7 ug/g Dry wt	a) Homogenized in food processor with stainless-steel blades b) Unhomogenized Soft tissues, mussels wet wt 2-12 g New York, Lake George TELLURIUM; MOLLUSKS; NEW YORK; BODY; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION; FISHES	Heit, M. Klusek, C.S. 1982 Science of the Total Environment 24:129-134

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Otter, river
LUTRA CANADENSIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1750 Bone		AAS	a) 198 c) 78	a) Not given b) <0.04-0.27 mg/g Dry wt	a) <0.04 mg/g b) <0.04 mg/g Dry wt	a) 1979-80 b) 1980-81 Collected during trapping seasons Virginia, Tidewater region OTTERS; CADMIUM; COPPER; LEAD; ZINC; BIOACCUMULATION; WATER POLLUTION; BONES; KIDNEYS; LIVER; VIRGINIA	Anderson-Bledsoe, K.L. Scanlon, P.F. 1983 Bulletin of Environmental Contamination and Toxicology 30:442-447
1751 Kidney		AAS	a) 221 b) 169	a) <0.04-14.09 mg/g b) <0.04-3.10 mg/g Dry wt	a) 0.61 +or- 0.09 mg/g b) 0.37 +or- 0.04 mg/g Dry wt	a) 1979-80 b) 1980-81 Collected during trapping seasons Virginia, Tidewater region OTTERS; CADMIUM; COPPER; LEAD; ZINC; BIOACCUMULATION; WATER POLLUTION; BONES; KIDNEYS; LIVER; VIRGINIA	Anderson-Bledsoe, K.L. Scanlon, P.F. 1983 Bulletin of Environmental Contamination and Toxicology 30:442-447

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Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Otter, river
LUTRA CANADENSIS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1752 Liver		AAS	a) 226 b) 131	a) <0.04-0.99 mg/g b) <0.04-1.58 mg/g Dry wt	a) 0.09 +or- 0.01 mg/g b) 0.17 +or- 0.07 mg/g Dry wt	a) 1979-80 b) 1980-81 Collected during trapping seasons Virginia, Tidewater region OTTERS; CADMIUM; COPPER; LEAD; ZINC; BIOACCUMULATION; WATER POLLUTION; BONES; KIDNEYS; LIVER; VIRGINIA	Anderson-Bledsoe, E.L. Scanlon, P.F. 1983 Bulletin of Environmental Contamination and Toxicology 30:442-447

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Oyster
OSTREA EDULIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1753 Body		AAS	20	3.5-29.7 ppm dry wt	7.4 ppm dry wt Geometric mean	Collected 10/80 in estuary draining mineralised catchment area Commercial size oysters United Kingdom, Lynher Estuary MOLLUSKS; UNITED KINGDOM; BODY; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION; WATER POLLUTION	Bland, E. Ackroyd, D.R. Marsh, J.G. Millward, G.E. 1982 Science of the Total Environment 22:235-241
1754 Body		AAS		Not given	1.61 ug/g wet wt	Collected 12/78 prior to operation of ore refinery. Shucked wet wt 4.5-11.7 g Mississippi, St. Louis Bay (SW) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Oyster, American
CRASSOSTREA VIRGINICA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1755 Body		AAS		a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given	a) 14.2 ppm b) 25.2 ppm c) 25.8 ppm d) 54.6 ppm e) 38.2 ppm f) 85.5 ppm g) 73.4 ppm h) 123 ppm Dry wt	a) 10 days, 53 ppb, 5 C b) 40 days, 53 ppb, 5 C c) 10 days, 53 ppb, 10 C d) 40 days, 53 ppb, 10 C e) 10 days, 45 ppb, 15 C f) 40 days, 45 ppb, 15 C g) 30 days, 45 ppb, 20 C h) 40 days, 45 ppb, 20 C Exposure times, Cd levels and water temperature. Whole soft parts Adults, age 3-4 yr Maryland, Deal Island area MOLLUSKS; MANTLE; GILLS; HEPATOPANCREAS; MARYLAND; ADULTS; MUSCLES; CADMIUM; BIOACCUMULATION	Hung, Y.W. 1982 Bulletin of Environmental Contamination and Toxicology 28:546-551
1756 Gills		AAS	a) 15 b) 15 c) 15 d) 15 e) 15 f) 15 g) 15 h) 15	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given	a) 69.5 ppm b) 147 ppm c) 184 ppm d) 10.6 ppm e) 290 ppm f) 203 ppm g) 154 ppm h) 174 ppm Dry wt	a) 10 C, 53 ppb b) 15 C, 45 ppb c) 20 C, 45 ppb d) Contr ls e) 0.05 ug CdCl2/l f) 0.05 ug CdCl2/l + 125 ppb NTA g) 0.05 ug CdCl2/l + 125 ppb EDTA h) 0.05 ug CdCl2/l + 250 ppb humic acid Water temperature, Cd and chelating agent levels during 40 day exposure Adults, age 3-4 yr Maryland, Deal Island area MOLLUSKS; MANTLE; GILLS; HEPATOPANCREAS; MARYLAND; ADULTS; MUSCLES; CADMIUM; BIOACCUMULATION	Hung, Y.W. 1982 Bulletin of Environmental Contamination and Toxicology 28:546-551

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Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Oyster, American
CRASSOSTREA VIRGINICA

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1757 Hepatopan creas		AAS	a) 15 b) 15 c) 15 d) 15 e) 15 f) 15 g) 15 h) 15	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given	a) 58.7 ppm b) 1,0 ppm c) 145 ppm d) 13.8 ppm e) 260 ppm f) 197 ppm g) 103 ppm h) 145 ppm Dry wt	a) 10 C, 53 ppb b) 15 C, 45 ppb c) 20 C, 45 ppb d) Controls e) 0.05 ug CdCl2/l f) 0.05 ug CdCl2/l + 125 ppb NTA g) 0.05 ug CdCl2/l + 125 ppb EDTA h) 0.05 ug CdCl2/l + 250 ppb humic acid Water temperature, Cd and chelating agent levels during 40 day exposure Adults, age 3-4 yr Maryland, Deal Island area MOLLUSKS; MANTLE; GILLS; HEPATOPANCREAS; MARYLAND; ADULTS; MUSCLES; CADMIUM; BIOACCUMULATION	Hung, Y.W. 1982 Bulletin of Environmental Contamination and Toxicology 28:546-551
1758 Mantle		AAS	a) 15 b) 15 c) 15 d) 15 e) 15 f) 15 g) 15 h) 15	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given	a) 42.3 ppm b) 83.0 ppm c) 126 ppm d) 10.1 ppm e) 160 ppm f) 142 ppm g) 85 ppm h) 145 ppm Dry wt	a) 10 C, 53 ppb b) 15 C, 45 ppb c) 20 C, 45 ppb d) Controls e) 0.05 ug CdCl2/l f) 0.05 ug CdCl2/l + 125 ppb NTA g) 0.05 ug CdCl2/l + 125 ppb EDTA h) 0.05 ug CdCl2/l + 250 ppb humic acid Water temperature, Cd and chelating agent levels during 40 day exposure Adults, age 3-4 yr Maryland, Deal Island area MOLLUSKS; MANTLE; GILLS; HEPATOPANCREAS; MARYLAND; ADULTS; MUSCLES; CADMIUM; BIOACCUMULATION	Hung, Y.W. 1982 Bulletin of Environmental Contamination and Toxicology 28:546-551

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Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Oyster, American
CRASSOSTREA VIRGINICA

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1759 Muscle		AAS	a) 15 b) 15 c) 15 d) 15 e) 15 f) 15 g) 15 h) 15	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given	a) 13.8 ppm b) 25.2 ppm c) 23.3 ppm d) 2.8 ppm e) 28 ppm f) 35 ppm g) 23 ppm h) 30 ppm Dry wt	a) 10 C, 53 ppb b) 15 C, 45 ppb c) 20 C, 45 ppb d) Controls e) 0.05 ug CdCl2/l f) 0.05 ug CdCl2/l + 125 ppb NTA g) 0.05 ug CdCl2/l + 125 ppb EDTA h) 0.05 ug CdCl2/l + 250 ppb humic acid Water temperature, Cd and chelating agent levels during 40 day exposure. Adductor muscle Adults, age 3-4 yr Maryland, Deal Island area MOLLUSKS; MANTLE; GILLS; HEPATOPANCREAS; MARYLAND; ADULTS; MUSCLES; CADMIUM; BIOACCUMULATION	Hung, Y.W. 1982 Bulletin of Environmental Contamination and Toxicology 28:546-551

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Oyster, Pacific
CRASSOSTREA GIGAS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1760 Body		AAS	10	a) Not given b) Not given	a) 0.57 +or- 0.12 ug/g b) 6.3 +or- 2.3 ug/g Wet wt	a) Controls b) 100 ug/l for 3 wk South Africa, Knysna Heads MOLLUSKS; BIOACCUMULATION; BIOINDICATORS; WATER POLLUTION; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BODY; SOUTH AFRICA	Watling, H.R. 1983 Bulletin of Environmental Contamination and Toxicology 30:317-322

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Plover, golden
PLUVIALIS APRICARIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1761 Liver		AAS	4	<0.6-2.7 mg/kg dry wt	1.1 mg/kg dry wt	Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Rudd
SCARDINIUS ERYTHROPHTHALMUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1762 Bone		AAS	a) 6 b) 6 c) 6 d) 6 e) 6 f) 6	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given	a) 9.5 +or- 3.9 ug/g b) 6.0 +or- 1.0 ug/g c) 20.7 +or- 14.5 ug/g d) 29.2 +or- 13.6 ug/g e) 8.7 +or- 1.2 ug/g f) 9.1 +or- 6.8 ug/g Wet wt	a) Controls b) 1100 ug/l for 24 hr c) 5000 ug/l for 24 hr d) 11,000 ug/l for 24 hr e) 250 ug/l for 3 wk f) After 1979 fish kill Opercle, fish length 10-15 cm, wt 20-50 g Belgium, Meuse River GILLS; BELGIUM; METAL POISONING; BONES; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COPPER; ZINC; BIOACCUMULATION; WATER POLLUTION	Van Hoof, F. Van San, M. 1981 Chemosphere 10(10):1127-1135

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Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Rudd
SCARDINIUS ERYTHROPHTHALMUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1763 Gills		AAS	a) 6 b) 6 c) 6 d) 6 e) 6 f) 6	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given	a) 2.6 +or- 1.1 ug/g b) 3.9 +or- 0.5 ug/g c) 10.4 +or- 3.4 ug/g d) 87.9 +or- 20.9 ug/g e) 2.5 +or- 0.1 ug/g f) 4.7 +or- 2.4 ug/g Wet wt	a) Controls b) 1100 ug/l for 24 hr c) 4000 ug/l for 24 hr d) 11,000 ug/l for 24 hr e) 250 ug/l for 3 wk f) After 1979 fish kill Length 10-15 cm, wt 20-50 g Belgium, Meuse River GILLS; BELGIUM; METAL POISONING; BONES; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COPPER; ZINC; BIOACCUMULATION; WATER POLLUTION	Van Hoof, F. Van San, M. 1981 Chemosphere 10(10):1127-1135
1764 Kidney		AAS	a) 6 b) 6 c) 6 d) 6 e) 6 f) 6	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given	a) 4.2 +or- 1.6 ug/g b) 14.4 +or- 3.5 ug/g c) 12.8 +or- 2.0 ug/g d) 28.2 +or- 16.3 ug/g e) 13.7 +or- 3.1 ug/g f) 2.1 +or- 0.8 ug/g Wet wt	a) Controls b) 1100 ug/l for 24 hr c) 4000 ug/l for 24 hr d) 11,000 ug/l for 24 hr e) 250 ug/l for 3 wk f) After 1979 fish kill Length 10-15 cm, wt 20-50 g Belgium, Meuse River GILLS; BELGIUM; METAL POISONING; BONES; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COPPER; ZINC; BIOACCUMULATION; WATER POLLUTION	Van Hoof, F Van San, M. 1981 Chemosphere 10(10):1127-1135
1765 Liver		AAS	a) 6 b) 6 c) 6 d) 6 e) 6 f) 6	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given	a) 5.0 +or- 3.0 ug/g b) 4.1 +or- 2.3 ug/g c) 3.8 +or- 0.9 ug/g d) 12.3 +or- 6.9 ug/g e) 9.6 +or- 0.8 ug/g f) 3.5 +or- 1.1 ug/g Wet wt	a) Controls b) 1100 ug/l for 24 hr c) 4000 ug/l for 24 hr d) 11,000 ug/l for 24 hr e) 250 ug/l for 3 wk f) After 1979 fish kill Length 10-15 cm, wt 20-50 g Belgium, Meuse River GILLS; BELGIUM; METAL POISONING; BONES; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COPPER; ZINC; BIOACCUMULATION; WATER POLLUTION	Van Hoof, F. Van San, M. 1981 Chemosphere 10(10):1127-1135

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Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Rudd
SCARDINIUS ERYTHROPHTHALMUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1766 Muscle		AAS	a) 6 b) 6 c) 6 d) 6 e) 6 f) 6	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given	a) 0.3 +or- 0.1 ug/g b) 0.6 +or- 0.2 ug/g c) 0.5 +or- 0.2 ug/g d) 3.2 +or- 2.3 ug/g e) 0.81 +or- 0.02 ug/g f) 0.3 +or- 0.2 ug/g Wet wt	a) Controls b) 1100 ug/l for 24 hr c) 4000 ug/l for 24 hr d) 11,000 ug/l for 24 hr e) 250 ug/l for 3 wk f) After 1979 fish kill Length 10-15 cm, wt 20-50 g Belgium, Meuse River GILLS; BELGIUM; METAL POISONING; BONES; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COPPER; ZINC; BIOACCUMULATION; WATER POLLUTION	Van Hoof, F. Van San, M. 1981 Chemosphere 10(10):1127-1135

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Shrimp
PENAEUS SEMISULCATUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1767 Body		AAS	63	0.067-0.100 ug/g wet wt	0.087 ug/g wet wt	Collected 6/81 in sewage outfall area. Mean sediment concentration 3 ug/g Juveniles, wt 2.6-18.1 g Saudi Arabia, Arabian Gulf, AD-Dammam CRUSTACEANS; SAUDI ARABIA; JUVENILES; SEDIMENTS; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BIOACCUMULATION; WATER POLLUTION	Sadiq, M. Zaidi, T.H. Noda, A. Mian, A.A. 1982 Bulletin of Environmental Contamination and Toxicology 29:313-319

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Snipe, jack
LYMNOCRYPTES MINIMUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1768 Liver		AAS	1	Not applicable	<0.6 mg/kg dry wt	Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Tern, royal
THALASSEUS MAXIMUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1769 Bone		AAS	a) 5 b) 5 c) 9	a) Not given b) Not given c) Not given	a) 0.011 +or- 0.024 ug/g b) <0.001 ug/g c) 0.033 +or- 0.004 ug/g Wet wt	a) Downy young (age 10-20 days, mean wt 300 g, mean length 26 cm) b) Prefledglings (mean wt 342 g, mean length 31 cm) c) Adults (mean wt 422 g, mean length 47 cm) Collected 5-6/79 Texas, Galveston Bay, South Deer Island BIRDS; JUVENILES; EGGS; TEXAS; ADULTS; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; CADMIUM; LEAD; BIOACCUMULATION	Haedgen, J.L. Hacker, C.S. Schroder, G.D. Weir, F.W. 1982 Archives of Environmental Contamination and Toxicology 11:99-102

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Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Tern, royal
THALASSEUS MAXIMUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1770 Brain		AAS	a) 5 b) 5 c) 9	a) Not given b) Not given c) Not given	a) 0.026 +or- 0.01 ug/g b) 0.015 +or- 0.001 ug/g c) 0.026 +or- 0.016 ug/g Wet wt	a) Downy young (age 10-20 days, mean wt 300 g, mean length 26 cm) b) Prefledglings (mean wt 342 g, mean length 31 cm) c) Adults (mean wt 422 g, mean length 47 cm) Collected 5-6/79 Texas, Galveston Bay, South Deer Island BIRDS; JUVENILES; EGGS; TEXAS; ADULTS; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; CADMIUM; LEAD; BIOACCUMULATION	Haedgen, J.L. Hacker, C.S. Schroder, G.D. Weir, F.W. 1982 Archives of Environmental Contamination and Toxicology 11:99-102
1771 Eggs		AAS		Not given	0.003 +or- 0.0041 ug/g wet wt	Shell and contents Collected 5-6/79 Texas, Galveston Bay, South Deer Island BIRDS; JUVENILES; EGGS; TEXAS; ADULTS; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; CADMIUM; LEAD; BIOACCUMULATION	Haedgen, J.L. Hacker, C.S. Schroder, G.D. Weir, F.W. 1982 Archives of Environmental Contamination and Toxicology 11:99-102
1772 Heart		AAS	a) 5 b) 5 c) 9	a) Not given b) Not given c) Not given	a) 0.016 +or- 0.002 ug/g b) 0.016 +or- 0.002 ug/g c) 0.091 +or- 0.073 ug/g Wet wt	a) Downy young (age 10-20 days, mean wt [illegible] g, mean length 26 cm) b) Prefledglings (mean wt 342 g, mean length 31 cm) c) Adults (mean wt 422 g, mean length 47 cm) Collected 5-6/79 Texas, Galveston Bay, South Deer Island BIRDS; JUVENILES; EGGS; TEXAS; ADULTS; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; CADMIUM; LEAD; BIOACCUMULATION	Haedgen, J.L. Hacker, C.S. Schroder, G.D. Weir, F.W. 1982 Archives of Environmental Contamination and Toxicology 11:99-102

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Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Tern, royal
THALASSEUS MAXIMUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1773 Kidney		AAS	a) 5 b) 5 c) 9	a) Not given b) Not given c) Not given	a) 0.029 +or- 0.016 ug/g b) 0.014 +or- 0.003 ug/g c) 5.422 +or- 3.233 ug/g Wet wt	a) Downy young (age 10-20 days, mean wt 300 g, mean length 26 cm) b) Prefledglings (mean wt 342 g, mean length 31 cm) c) Adults (mean wt 422 g, mean length 47 cm) Collected 5-6/79 Texas, Galveston Bay, South Deer Island BIRDS; JUVENILES; EGGS; TEXAS; ADULTS; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; CADMIUM; LEAD; BIOACCUMULATION	Haedgen, J.L. Hacker, C.S. Schroder, G.D. Weir, F.W. 1982 Archives of Environmental Contamination and Toxicology 11:99-102
1774 Liver		AAS	a) 5 b) 5 c) 9	a) Not given b) Not given c) Not given	a) 0.008 +or- 0.004 ug/g b) 0.011 +or- 0.004 ug/g c) 1.185 +or- 0.582 ug/g Wet wt	a) Downy young (age 10-20 days, mean wt 300 g, mean length 26 cm) b) Prefledglings (mean wt 342 g, mean length 31 cm) c) Adults (mean wt 422 g, mean length 47 cm) Collected 5-6/79 Texas, Galveston Bay, South Deer Island BIRDS; JUVENILES; EGGS; TEXAS; ADULTS; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; CADMIUM; LEAD; BIOACCUMULATION	Haedgen, J.L. Hacker, C.S. Schroder, G.D. Weir, F.W. 1982 Archives of Environmental Contamination and Toxicology 11:99-102
1775 Muscle		AAS	a) 5 b) 5 c) 9	a) Not given b) Not given c) Not given	a) 0.017 +or- 0.006 ug/g b) 0.014 +or- 0.003 ug/g c) 0.075 +or- 0.050 ug/g Wet wt	a) Downy young (age 10-20 days, mean wt 300 g, mean length 26 cm) b) Prefledglings (mean wt 342 g, mean length 31 cm) c) Adults (mean wt 422 g, mean length 47 cm) Collected 5-6/79 Texas, Galveston Bay, South Deer Island BIRDS; JUVENILES; EGGS; TEXAS; ADULTS; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; CADMIUM; LEAD; BIOACCUMULATION	Haedgen, J.L. Hacker, C.S. Schroder, G.D. Weir, F.W. 1982 Archives of Environmental Contamination and Toxicology 11:99-102

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Tern, sandwich
THALASSEUS SANDVICENSIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1776 Bone		AAS	a) 5 b) 5 c) 10	a) Not given b) Not given c) Not given	a) 0.002 +or- 0.005 ug/g b) 0.001 +or- 0.013 ug/g c) 0.040 +or- 0.012 ug/g Wet wt	a) Downy young (age 10-20 days, mean wt 168 g, mean length 22 cm) b) Prefledglings (mean wt 178 g, mean length 25 cm) c) Adults (mean wt 198 g, mean length 34 cm) Collected 5-6/79 Texas, Galveston Bay, South Deer Island BIRDS; JUVENILES; EGGS; TEXAS; ADULTS; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; CADMIUM; LEAD; BIOACCUMULATION	Haedgen, J.L. Hacker, C.S. Schroder, G.D. Weir, F.W. 1982 Archives of Environmental Contamination and Toxicology 11:99-102
1777 Brain		AAS	a) 4 b) 4 c) 10	a) Not given b) Not given c) Not given	a) 0.011 +or- 0.012 ug/g b) 0.005 +or- 0.003 ug/g c) 0.031 +or- 0.023 ug/g Wet wt	a) Downy young (age 10-20 days, mean wt 168 g, mean length 22 cm) b) Prefledglings (mean wt 178 g, mean length 25 cm) c) Adults (mean wt 198 g, mean length 34 cm) Collected 5-6/79 Texas, Galveston Bay, South Deer Island BIRDS; JUVENILES; EGGS; TEXAS; ADULTS; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; CADMIUM; LEAD; BIOACCUMULATION	Haedgen, J.L. Hacker, C.S. Schroder, G.D. Weir, F.W. 1982 Archives of Environmental Contamination and Toxicology 11:99-102
1778 Eggs		AAS		Not given	0.007 +or- 0.0094 ug/g wet wt	Shell and contents Collected 5-6/79 Texas, Galveston Bay, South Deer Island BIRDS; JUVENILES; EGGS; TEXAS; ADULTS; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; CADMIUM; LEAD; BIOACCUMULATION	Haedgen, J.L. Hacker, C.S. Schroder, G.D. Weir, F.W. 1982 Archives of Environmental Contamination and Toxicology 11:99-102

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Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Tern, sandwich
THALASSEUS SANDVICENSIS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1779 Heart		AAS	a) 5 b) 5 c) 11	a) Not given b) Not given c) Not given	a) 0.008 +or- 0.009 ug/g b) 0.022 +or- 0.011 ug/g c) 0.058 +or- 0.021 ug/g Wet wt	a) Downy young (age 10-20 days, mean wt 168 g, mean length 22 cm) b) Prefledglings (mean wt 178 g, mean length 25 cm) c) Adults (mean wt 198 g, mean length 34 cm) Collected 5-6/79 Texas, Galveston Bay, South Deer Island BIRDS; JUVENILES; EGGS; TEXAS; ADULTS; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; CADMIUM; LEAD; BIOACCUMULATION	Haedgen, J.L. Hacker, C.S. Schroder, G.D. Weir, F.W. 1982 Archives of Environmental Contamination and Toxicology 11:99-102
1780 Kidney		AAS	a) 5 b) 5 c) 10	a) Not given b) Not given c) Not given	a) 0.045 +or- 0.019 ug/g b) 0.040 +or- 0.016 ug/g c) 7.439 +or- 0.338 ug/g Wet wt	a) Downy young (age 10-20 days, mean wt 168 g, mean length 22 cm) b) Prefledglings (mean wt 178 g, mean length 25 cm) c) Adults (mean wt 198 g, mean length 34 cm) Collected 5-6/79 Texas, Galveston Bay, South Deer Island BIRDS; JUVENILES; EGGS; TEXAS; ADULTS; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; CADMIUM; LEAD; BIOACCUMULATION	Haedgen, J.L. Hacker, C.S. Schroder, G.D. Weir, F.W. 1982 Archives of Environmental Contamination and Toxicology 11:99-102
1781 Liver		AAS	a) 5 b) 5 c) 10	a) Not given b) Not given c) Not given	a) 0.024 +or- 0.005 ug/g b) 0.028 +or- 0.007 ug/g c) 1.507 +or- 0.759 ug/g Wet wt	a) Downy young (age 10-20 days, mean wt 168 g, mean length 22 cm) b) Prefledglings (mean wt 178 g, mean length 25 cm) c) Adults (mean wt 198 g, mean length 34 cm) Collected 5-6/79 Texas, Galveston Bay, South Deer Island BIRDS; JUVENILES; EGGS; TEXAS; ADULTS; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; CADMIUM; LEAD; BIOACCUMULATION	Haedgen, J.L. Hacker, C.S. Schroder, G.D. Weir, F.W. 1982 Archives of Environmental Contamination and Toxicology 11:99-102

(NEXT PAGE)

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Tern, sandwich
THALASSEUS SANDVICENSIS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1782 Muscle		AAS	a) 5 b) 5 c) 11	a) Not given b) Not given c) Not given	a) 0.013 +or- 0.009 ug/g b) 0.016 +or- 0.020 ug/g c) 0.081 +or- 0.033 ug/g Wet wt	a) Downy young (age 10-20 days, mean wt 168 g, mean length 22 cm) b) Prefledglings (mean wt 178 g, mean length 25 cm) c) Adults (mean wt 198 g, mean length 34 cm) Collected 5-6/79 Texas, Galveston Bay, South Deer Island BIRDS; JUVENILES; EGGS; TEXAS; ADULTS; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; CADMIUM; LEAD; BIOACCUMULATION	Haedgen, J.L. Hacker, C.S. Schroder, G.D. Weir, F.W. 1982 Archives of Environmental Contamination and Toxicology 11:99-102

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Turtle, snapping
CHELYDRA SERPENTINA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1783 Adipose			a) 5 b) 4 c) 3	a) 0.002-0.016 mg/kg b) 0.006-0.016 mg/kg c) 0.004-0.025 mg/kg	a) 0.008 mg/kg b) 0.011 mg/kg c) 0.011 mg/kg	a) St. Paul b) Prairie Island c) Lake City Red meat, <0.05-0.68% lipid. Length 5.5-15 in., wt 1.8-21.8 lb, estimated age 3->20 yr Minnesota, Mississippi River TURTLES; CADMIUM; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION; BIOINDICATORS; ADIPOSE TISSUE; MUSCLES; MINNESOTA	Helwig, D.D. Hora, M.E. 1983 Bulletin of Environmental Contamination and Toxicology 30:186-190

Cadmium
7440-43-9
Cd
AtW 112.40, MP 321 C, BP 765 C, VP 1 mm Hg at 394 C, 10 mm Hg at 486 C
Whiting
MERLUCCIUS BILINARIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1784 Liver		AAS	a) 10 b) 10 c) 10	a) Not given b) Not given c) Not given	a) 0.4 +or- 0.6 ug/g b) 0.04 +or- 0.03 ug/g c) 0.24 +or- 0.07 ug/g Dry wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Mean wt 330 g, mean length 36 cm New York Bight, Rockaway Inlet MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Heit, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207
1785 Muscle		AAS	a) 10 b) 10 c) 10	a) Not given b) Not given c) Not given	a) 0.04 +or- 0.03 ug/g b) 0.04 +or- 0.02 ug/g c) 0.02 +or- 0.01 ug/g Dry wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Mean wt 330 g, mean length 36 cm New York Bight, Rockaway Inlet MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Heit, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207

Caffeine (8 CI)
1H-Purine-2,6-dione, 3,7-dihydro-1,3,7-trimethyl- (9 CI)
58-08-2
C8-H10-N4-O2
MW 194.19, MP 238 C
Sheep
OVIS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1786 Blood, plasma	Injection	UV	10	a) Not given b) Not given c) Not given d) Not given	a) 5.3 +or- 0.5 ug/ml b) 3.9 +or- 0.6 ug/ml c) 69.7 +or- 3.1 ug/ml d) 36.9 +or- 8.6 ug/ml	a) Maternal, 6.96 mg/kg b) Fetal c) Maternal, 6.96 mg/kg d) Fetal 15 min after infusion. Not detected 48 hr after infusion. Pregnant crossbred ewes, fetal gestational stage 103-120 days Slight reduction in uterine blood flow. Significant maternal and fetal tachycardia at higher dose SHEEP; NEW YORK; ADULTS; FETUS; BLOOD SERUM; BIOACCUMULATION; HEALTH HAZARDS; PREGNANCY; CAFFEINE	Wilson, E.J. Ayromlooi, J. Errick, J.E. 1983 Obstetrics and Gynecology 61(4):486-492

Carbamic acid, methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester (8 CI)
7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate (9 CI)
1563-66-2
C12-H15-N-O3
MW 221.3, MP 105-152 C, VP 2X10(E-5) mm Hg at 33 C
Crayfish
CAMBARUS DIOGENES
PROCAMBARUS CLARKI

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1787 Body		TLC		a) Not given b) Not detected	a) 1.3 ppm b) Not detected Wet wt	a) 21 hr b) 45 hr Times after 19 kg/ha application in rice-fields. 6/70 Texas, Brazoria County, Chocolate Bayou TEXAS; BODY; AGRICULTURE; BIOACCUMULATION; PESTICIDE RESIDUES; INSECTICIDES	Flickinger, E.L. King, K.A. Stout, W.F. Mohn, M.M. 1980 Journal of Wildlife Management 44(1):190-197

Carbamic acid, methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester (8 CI)
7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate (9 CI)
1563-66-2
C12-H15-N-O3
MW 221.3, MP 105-152 C, VP 2X10(E-5) mm Hg at 33 C
Croaker, Atlantic
MICROPOGON UNDULATUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1788 Body		TLC		Not given	0.8 ppm wet wt	Collected 6/70 in rice fields 28 hr after 19 kg/ha application TEXAS; BODY; AGRICULTURE; BIOACCUMULATION; PESTICIDE RESIDUES; INSECTICIDES	Flickinger, E.L. King, K.A. Stout, W.F. Mohn, M.M. 1980 Journal of Wildlife Management 44(1):190-197

Carbamic acid, methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester (8 CI)
7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate (9 CI)
1563-66-2
C12-H15-N-O3
MW 221.3, MP 105-152 C, VP 2X10(E-5) mm Hg at 33 C
Fish, mosquito
GAMBUSIA AFFINIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1789 Body		TLC		Not given	1.8 ppm wet wt	Collected 6/70 in rice fields 21 hr after 19 kg/ha application Texas, Brazoria County, Chocolate Bayou TEXAS; BODY; AGRICULTURE; BIOACCUMULATION; PESTICIDE RESIDUES; INSECTICIDES	Flickinger, E.L. King, K.A. Stout, W.F. Mohn, M.M. 1980 Journal of Wildlife Management 44(1):190-197

Carbamic acid, methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester (8 CI)
7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate (9 CI)
1563-66-2
C12-H15-N-O3
MW 221.3, MP 105-152 C, VP 2X10(E-5) mm Hg at 33 C
Meahaden, Gulf
BREVOORTIA PATRONUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1798 Body		TLC		Not given	2.0 ppm wet wt	Collected 6/70 in rice fields 28 hr after 19 kg/ha application TEXAS; BODY; AGRICULTURE; BIOACCUMULATION; PESTICIDE RESIDUES; INSECTICIDES	Flickinger, E.L. King, K.A. Stout, W.F. Mohn, M.M. 1980 Journal of Wildlife Management 44(1):190-197

Chlordane
12789-03-6
C10-H6-Cl8
MW 409.8, MP 175 C at 2 mm Hg, VP 1X10(E-5) mm Hg at 25 C
Pelican, brown
PELECANUS OCCIDENTALIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1791 Eggs		GC-EC	a) 12 b) 21 c) 25 d) 30 e) 25	a) 0.12-0.82 ug/g b) 0.33-1.10 ug/g c) Not detected-0.61 ug/g d) Not detected-1.31 ug/g e) 0.17-1.05 ug/g Wet wt	a) 0.39 ug/g b) 0.69 ug/g c) 0.27 ug/g d) 0.41 ug/g e) 0.32 ug/g Wet wt Geometric means	a) 1972 b) 1973 c) 1974 d) 1975 e) 1976 Includes cis-chlordane, cis-nonachlor, trans-chlordane, and oxychlordane. Shell thickness means 6.7-13.5% less than pre-1947 Viable and addled eggs from birds transplanted from Florida to Louisiana 1968-76 Louisiana, Barataria Bay BIRDS; EGGS; LOUISIANA; DDD; DDE; DDT; DIELDRIN; CHLORINE ORGANIC COMPOUNDS; HEPTACHLOR EPOXIDE; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Blus, L. Cromartie, E. McMeans, L. Joanen, T. 1979 Bulletin of Environmental Contamination and Toxicology 22:128-135

Chloroform (8 CI)
Methane, trichloro- (9 CI)
67-66-3
C-H-Cl3
MW 119.39, MP -63.5 C, VP 100 mm Hg at 10.4 C
Cod

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1792 Liver		GC-EC		a) Not given b) Not given	a) 130 ug/kg b) 130 ug/kg Lipid wt	a) 26% fat b) 24% fat Pooled samples of 3-5 fish collected 1/81 in waters heavily polluted by chemical industry Norway, Frierfjord MEASUREMENT METHODS; NORWAY; BROMINATED HYDROCARBONS; CHLORINE ORGANIC COMPOUNDS; BIOACCUMULATION; WATER POLLUTION; FISHES	Ofstad, E.B. Drangsholt, H. Carlberg, G.E. 1981 Science of the Total Environment 20:205-215
1793 Muscle		GC-EC		a) Not given b) Not given	a) 2200 ug/kg b) 1400 ug/kg Lipid wt	Two samples pooled from 3-5 fish, 0.6% fat. Collected 1/81 in waters heavily polluted by chemical industry Norway, Frierfjord MEASUREMENT METHODS; NORWAY; BROMINATED HYDROCARBONS; CHLORINE ORGANIC COMPOUNDS; BIOACCUMULATION; WATER POLLUTION; FISHES	Ofstad, E.B. Drangsholt, H. Carlberg, G.E. 1981 Science of the Total Environment 20:205-215

Chloroform (8 CI)
Methane, trichloro- (9 CI)
67-66-3
C-H-Cl3
MW 119.39, MP -63.5 C, VP 100 mm Hg at 10.4 C
Eel

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1794 Body		GC-EC		a) Not given b) Not given	a) 300 ug/kg b) 350 ug/kg Lipid wt	a) 15% fat b) 19% fat Pooled samples of 3-5 fish collected 8/80 in waters polluted by pulp and paper industry. Water concentration 0.3-13 ppb Norway, Iddefjord MEASUREMENT METHODS; NORWAY; BROMINATED HYDROCARBONS; CHLORINE ORGANIC COMPOUNDS; BIOACCUMULATION; WATER POLLUTION; FISHES	Ofstad, E.B. Drangsholt, H. Carlberg, G.E. 1981 Science of the Total Environment 20:205-215

Chloroform (8 Cl)
Methane, trichloro- (9 Cl)
67-66-3
C-H-Cl3
MW 119.39, MP -63.5 C, VP 100 mm Hg at 10.4 C
Perch

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1795 Body		GC-EC		Not given	340 ug/kg lipid wt	Pooled samples of 3-5 fish, 2% fat. Collected 9/80 in waters polluted by pulp and paper industry. Water concentration 0.3-13 ppb Norway, Lake Njosa MEASUREMENT METHODS; NORWAY; BROMINATED HYDROCARBONS; CHLORINE ORGANIC COMPOUNDS; BIOACCUMULATION; WATER POLLUTION; FISHES	Ofstad, E.B. Drangsholt, H. Carlberg, G.E. 1981 Science of the Total Environment 20:205-215

Chloroform (8 Cl)
Methane, trichloro- (9 Cl)
67-66-3
C-H-Cl3
MW 119.39, MP -63.5 C, VP 100 mm Hg at 10.4 C
Roach

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1796 Body		GC-EC		Not given	250 ug/kg lipid wt	Pooled samples of 3-5 fish, 6% fat. Collected 9/80 in waters polluted by pulp and paper industry. Water concentration 0.3-13 ppb Norway, Lake Njosa MEASUREMENT METHODS; NORWAY; BROMINATED HYDROCARBONS; CHLORINE ORGANIC COMPOUNDS; BIOACCUMULATION; WATER POLLUTION; FISHES	Ofstad, E.B. Drangsholt, H. Carlberg, G.E. 1981 Science of the Total Environment 20:205-215

Chloroform (8 CI)
Methane, trichloro- (9 CI)
67-66-3
C-H-Cl3
MW 119.39, MP -63.5 C, VP 100 mm Hg at 10.4 C
Whiting

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1797 Body		GC-EC		Not given	120 ug/kg lipid wt	Pooled samples of 3-5 fish, 3% fat. Collected 8/80 in waters polluted by pulp and paper industry. Water concentration 0.3-13 ppb Norway, Iddefjord MEASUREMENT METHODS; NORWAY; BROMINATED HYDROCARBONS; CHLORINE ORGANIC COMPOUNDS; BIOACCUMULATION; WATER POLLUTION; FISHES	Ofstad, E.B. Drangsholt, H. Carlberg, G.E. 1981 Science of the Total Environment 20:205-215

Chromium
7440-47-3
Cr
AtW 51.996, MP 1900 C, BP 2642 C, VP 1 mm Hg at 1616 C, 10 mm Hg at 1840 C
Bluefish, marine
POMATOMUS SALTATRIX

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1798 Muscle		AAS	a) 1-3 b) 1 c) 1 d) 1	a) Not given b) Not given c) Not given d) Not given	a) 0.10 +or- 0.01 ug/g b) 0.09 +or- 0.01 ug/g c) 0.11 +or- 0.04 ug/g d) 0.10 +or- 0.1 ug/g Dry wt	a) Stainless steel b) Titanium c) Lexan plastic d) Teflon-coated stainless steel Dissecting tool materials Dorsal muscle, fish wt 917-20 g, length 43.5-44.2 cm Virginia, Nemore TELLURIUM; MOLLUSKS; NEW YORK; BODY; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION; FISHES	Heit, M. Klusek, C.S. 1982 Science of the Total Environment 24:129-134

Chromium
7440-47-3
Cr
AtW 51.996, MP 1900 C, BP 2642 C, VP 1 mm Hg at 1616 C, 10 mm Hg at 1840 C
Canvasback
AYTHYA VALISINERIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1799 Liver		AAS	10	Not given	0.02 +or- 0.00 ppm wet wt	Collected 1973 Maryland, Chesapeake Bay BIRDS; MARYLAND; BODY; BONES; KIDNEYS; LIVER; CADMIUM; CHLORINE ORGANIC COMPOUNDS; CHROMIUM; COPPER; DDD; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; LEAD; MERCURY; POLYCHLORINATED BIPHENYLS; ZINC; BIOACCUMULATION; PESTICIDE RESIDUES	White, D.H. Stendell, R.C. Hulbern, B.N. 1979 Wilson Bulletin 91(2):279-287

Chromium
7440-47-3
Cr
AtW 51.996, MP 1900 C, BP 2642 C, VP 1 mm Hg at 1616 C, 10 mm Hg at 1840 C
Cattle
BOS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1800 Blood	Ingestion	AAS	48	a) Not given b) Not given c) Not given	a) 0.55 +or- 0.12 mg/l b) 0.50 +or- 0.15 mg/l c) 0.53 +or- 0.14 mg/l	a) Control pasture, Pensacola bahiagrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season 168 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Edds, G.T. West, R.L. 1981 Journal of Animal Science 53(1):146-153

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Chromium
7440-47-3
Cr
AtW 51.996, MP 1900 C, BP 2642 C, VP 1 mm Hg at 1616 C, 10 mm Hg at 1840 C
Cattle
BOS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1801 Kidney	Ingestion	AAS	48	a) Not given b) Not given c) Not given	a) 0.73 +or- 0.02 mg/kg b) 0.73 +or- 0.02 mg/kg c) 0.73 +or- 0.01 mg/kg Wet wt	a) Control pasture, Pensacola bahiagrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season 168 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Edds, G.T. West, R.L. 1981 Journal of Animal Science 53(1):146-153
1802 Kidney		AAS	172	<0.01-0.03 mg/kg wet wt	Not given	From abattoirs in 10 selected 100-sq km areas representing a cross-section of industries. 162 samples below detection limit. Australia, Queensland CATTLE; AUSTRALIA; KIDNEYS; LIVER; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; SELENIUM; ZINC; BIOACCUMULATION; INDUSTRIAL AREAS	Kramer, H.L. Steiner, J.W. Valley, P.J. 1983 Bulletin of Environmental Contamination and Toxicology 30:588-594
1803 Liver	Ingestion	AAS	48	a) Not given b) Not given c) Not given	a) 0.73 +or- 0.2 mg/kg b) 0.73 +or- 0.1 mg/kg c) 0.71 +or- 0.1 mg/kg Wet wt	a) Control pasture, Pensacola bahiagrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season 168 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Edds, G.T. West, R.L. 1981 Journal of Animal Science 53(1):146-153

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Chromium
7440-47-3
Cr
AtW 51.996, MP 1900 C, BP 2642 C, VP 1 mm Hg at 1616 C, 10 mm Hg at 1840 C
Cattle
BOS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1804 Liver		AAS	175	<0.01-0.91 mg/kg wet wt	0.01 +or- 0.07 mg/kg wet wt	From abattoirs in 10 selected 100-sq km areas representing a cross-section of industries. 166 samples below detection limit. Australia, Queensland CATTLE; AUSTRALIA; KIDNEYS; LIVER; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; SELENIUM; ZINC; BIOACCUMULATION; INDUSTRIAL AREAS	Kramer, M.L. Steiner, J.W. Vallely, P.J. 1983 Bulletin of Environmental Contamination and Toxicology 30:588-594
1805 Muscle	Ingestion	AAS	48	a) Not given b) Not given c) Not given	a) 0.73 +or- 0.01 mg/kg b) 0.74 +or- 0.03 mg/kg c) 0.73 +or- 0.02 mg/kg Wet wt	a) Control pasture, Pensacola bahiagrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season 168 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Edds, G.T. West, N.L. 1981 Journal of Animal Science 53(1):146-153
1806 Muscle		AAS	176	<0.01-0.10 mg/kg wet wt	Not given	From abattoirs in 10 selected 100-sq km areas representing a cross-section of industries. 166 samples below detection limit. Australia, Queensland CATTLE; AUSTRALIA; KIDNEYS; LIVER; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; SELENIUM; ZINC; BIOACCUMULATION; INDUSTRIAL AREAS	Kramer, M.L. Steiner, J.W. Vallely, P.J. 1983 Bulletin of Environmental Contamination and Toxicology 30:588-594

Chromium
7440-47-3
Cr
AtW 51.996, MP 1900 C, BP 2642 C, VP 1 mm Hg at 1616 C, 10 mm Hg at 1840 C
Crab

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1807 Body		AAS	9	0.04-0.20 ug/g wet wt	0.12 ug/g wet wt	Collected 6/81 in sewage outfall area. Mean sediment concentration 18 ug/g Wt 36.7-163.9 g Saudi Arabia, Arabian Gulf, AD-Dammam CRUSTACEANS; SAUDI ARABIA; JUVENILES; SEDIMENTS; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BIOACCUMULATION; WATER POLLUTION; BODY	Sadiq, M. Zaidi, T.H. Hoda, A. Mian, A.A. 1982 Bulletin of Environmental Contamination and Toxicology 29:313-319

Chromium
7440-47-3
Cr
AtW 51.996, MP 1900 C, BP 2642 C, VP 1 mm Hg at 1616 C, 10 mm Hg at 1840 C
Drum, red
SCIAENOPS OCELLATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1808 Gills		AAS	a) 1 b) 2	a) Not applicable b) Not given	a) <1 ppm b) <1 ppm Wet wt	a) Diseased, part of mass kill 6-7/80. Length 93 cm, wt 10 kg b) Controls, length 66 and 69 cm, wt 3.9 and 4.6 kg Florida, Titusville, Indian River and Mosquito Lagoon Lethargy, incoordination, death Elevated serum electrolyte concentrations, edematous gills, excessive mucus secretion GILLS; FLORIDA; ADULTS; METAL POISONING; KIDNEYS; LIVER; ARSENIC; CADMIUM; CHROMIUM; COPPER; MERCURY; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cardeilhac, P.T. Simpson, C.F. White, F.H. Thompson, N.P. Carr, W.E. 1981 Bulletin of Environmental Contamination and Toxicology 27:639-644

(NEXT PAGE)

Chromium
7440-47-3
Cr
AtW 51.996, MP 1900 C, BP 2642 C, VP 1 mm Hg at 1616 C, 10 mm Hg at 1840 C
Drum, red
SCIAENOPS OCELLATA

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1809 Kidney		AAS	a) 1 b) 2	a) Not applicable b) Not given	a) <1 ppm b) <1 ppm Wet wt	a) Diseased, part of mass kill 6-7/80. Length 93 cm, wt 14 kg b) Controls, length 66 and 69 cm, wt 3.9 and 4.6 kg Florida, Titusville, Indian River and Mosquito Lagoon Lethargy, incoordination, death Elevated serum electrolyte concentrations, edematous gills, excessive mucus secretion GILLS; FLORIDA; ADULTS; METAL POISONING; KIDNEYS; LIVER; ARSENIC; CADMIUM; CHROMIUM; COPPER; MERCURY; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cardeilhac, P.T. Simpson, C.F. White, F.H. Thompson, N.P. Carr, W.E. 1981 Bulletin of Environmental Contamination and Toxicology 27:639-644
1810 Liver		AAS	a) 2 b) 2	a) Not given b) Not given	a) 60 +or- 24 ppm b) <1 ppm Wet wt	a) Diseased, part of mass kill 6-7/80. Length 93 cm, wt 14 kg b) Controls, length 66 and 69 cm, wt 3.9 and 4.6 kg Florida, Titusville, Indian River and Mosquito Lagoon Lethargy, incoordination, death Elevated serum electrolyte concentrations, edematous gills, excessive mucus secretion GILLS; FLORIDA; ADULTS; METAL POISONING; KIDNEYS; LIVER; ARSENIC; CADMIUM; CHROMIUM; COPPER; MERCURY; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cardeilhac, P.T. Simpson, C.F. White, F.H. Thompson, N.P. Carr, W.E. 1981 Bulletin of Environmental Contamination and Toxicology 27:639-644

Chromium
7440-47-3
Cr
AtW 51.996, MP 1900 C, BP 2642 C. VP 1 mm Hg at 1616 C, 10 mm Hg at 1840 C
Fish
NOTOPTERUS NOTOPTERUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1011 Brain		Colorimetry	a) 10 b) 10 c) 10 d) 10 e) 10 f) 10 g) 10	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 3.62 +or- 0.84 mg/g b) 3.20 +or- 0.19 mg/g c) 2.98 +or- 0.17 mg/g d) 2.03 +or- 0.20 mg/g e) 2.65 +or- 0.12 mg/g f) 1.45 +or- 0.13 mg/g g) 2.78 +or- 0.16 mg/g Wet wt	a) 40 mg K2Cr2O4/l for 1 mo b) Tapwater c) 0.134 mmole/l nitrilotriacetic acid (NTA) d) 0.134 mmole/l EDTA e) 0.134 mmole/l DDTA f) 0.134 mmole/l DTPA g) 0.134 mmole/l sodium diethyldithiocarbamate (DDC) b)-g) amounts of Cr mobilized after 7 days, fish previously exposed to 40 mg K2Cr2O4/l for 1 mo Adults, length 86-110 mm, wt 14.4-19g India GILLS; INDIA; ADULTS; BRAIN; KIDNEYS; LIVER; BIOACCUMULATION; FISHES; CHROMIUM; MERCURY; NICKEL	Verma, S.R. Jain, M. Dalela, R.C. 1981 Environmental Research 26:328-334
1012 Gills		Colorimetry	a) 10 b) 10 c) 10 d) 10 e) 10 f) 10 g) 10	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 24.60 +or- 0.68 mg/g b) 24.80 +or- 0.78 mg/g c) 20.85 +or- 0.55 mg/g d) 15.94 +or- 0.69 mg/g e) 19.20 +or- 0.67 mg/g f) 14.20 +or- 0.52 mg/g g) 19.70 +or- 0.72 mg/g Wet wt	a) 40 mg K2Cr2O4/l for 1 mo b) Tapwater c) 0.134 mmole/l nitrilotriacetic acid (NTA) d) 0.134 mmole/l EDTA e) 0.134 mmole/l DDTA f) 0.134 mmole/l DTPA g) 0.134 mmole/l sodium diethyldithiocarbamate (DDC) b)-g) amounts of Cr mobilized after 7 days, fish previously exposed to 40 mg K2Cr2O4/l for 1 mo Adults, length 86-110 mm, wt 14.4-19g India GILLS; INDIA; ADULTS; BRAIN; KIDNEYS; LIVER; BIOACCUMULATION; FISHES; CHROMIUM; MERCURY; NICKEL	Verma, S.R. Jain, M. Dalela, R.C. 1981 Environmental Research 26:328-334

(NEXT PAGE)

Chromium
7440-47-3
Cr
AtW 51.996, MP 1900 C, BP 2642 C, VP 1 mm Hg at 1616 C, 10 mm Hg at 1840 C
Fish
NOTOPTERUS NOTOPTERUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1813 Kidney		Colorimetry	a) 10 b) 10 c) 10 d) 10 e) 10 f) 10 g) 10	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 6.70 +or- 0.27 mg/g b) 6.00 +or- 0.58 mg/g c) 5.49 +or- 0.34 mg/g d) 4.60 +or- 0.54 mg/g e) 4.67 +or- 0.45 mg/g f) 3.50 +or- 0.37 mg/g g) 5.25 +or- 0.35 mg/g Wet wt	a) 40 mg K2Cr2O4/l for 1 mo b) Tapwater c) 0.134 mmole/l nitrilotriacetic acid (NTA) d) 0.134 mmole/l EDTA e) 0.134 mmole/l DDTA f) 0.134 mmole/l DTPA g) 0.134 mmole/l sodium diethyldithiocarbamate (DDC) b)-g) amounts of Cr mobilized after 7 days, fish previously exposed to 40 mg K2Cr2O4/l for 1 mo Adults, length 86-110 mm, wt 14.4-19g India GILLS; INDIA; ADULTS; BRAIN; KIDNEYS; LIVER; BIOACCUMULATION; FISHES; CHROMIUM; MERCURY; NICKEL	Verma, S.R. Jain, M. Dalela, R.C. 1981 Environmental Research 26:328-334
1814 Liver		Colorimetry	a) 10 b) 10 c) 10 d) 10 e) 10 f) 10 g) 10	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 14.80 +or- 0.80 mg/g b) 14.20 +or- 0.44 mg/g c) 12.54 +or- 0.35 mg/g d) 9.85 +or- 0.29 mg/g e) 11.95 +or- 0.24 mg/g f) 8.82 +or- 0.37 mg/g g) 12.10 +or- 0.34 mg/g Wet wt	a) 40 mg K2Cr2O4/l for 1 mo b) Tapwater c) 0.134 mmole/l nitrilotriacetic acid (NTA) d) 0.134 mmole/l EDTA e) 0.134 mmole/l DDTA f) 0.134 mmole/l DTPA g) 0.134 mmole/l sodium diethyldithiocarbamate (DDC) b)-g) amounts of Cr mobilized after 7 days, fish previously exposed to 40 mg K2Cr2O4/l for 1 mo Adults, length 86-110 mm, wt 14.4-19g India GILLS; INDIA; ADULTS; BRAIN; KIDNEYS; LIVER; BIOACCUMULATION; FISHES; CHROMIUM; MERCURY; NICKEL	Verma, S.R. Jain, M. Dalela, R.C. 1981 Environmental Research 26:328-334

Chromium
7440-47-3
Cr
AtW 51.996, MP 1900 C, BP 2642 C, VP 1 mm Hg at 1616 C, 10 mm Hg at 1840 C
Mollusk
CRASSOSTREA MARGARITACEA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1815 Body		AAS	10	a) Not given b) Not given	a) 0.21 +or- 0.09 ug/g b) 0.61 +or- 0.13 ug/g Wet wt	a) Controls b) 100 ug/l for 3 wk South Africa, Knysna Heads MOLLUSKS; BIOACCUMULATION; BIOINDICATORS; WATER POLLUTION; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; BODY; SOUTH AFRICA	Watling, H.R. 1983 Bulletin of Environmental Contamination and Toxicology 30:317-322
1816 Body		AAS	10	a) Not given b) Not given	a) 0.28 +or- 0.06 ug/g b) 0.81 +or- 0.29 ug/g Wet wt	a) Controls b) 100 ug/l for 3 wk South Africa, Knysna Heads MOLLUSKS; BIOACCUMULATION; BIOINDICATORS; WATER POLLUTION; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; BODY; SOUTH AFRICA	Watling, H.R. 1983 Bulletin of Environmental Contamination and Toxicology 30:317-322
1817 Body		AAS	10	a) Not given b) Not given	a) 0.24 +or- 0.09 ug/g b) 0.52 +or- 0.18 ug/g Wet wt	a) Controls b) 100 ug/l for 3 wk South Africa, Cape Town, Bloubergstrand MOLLUSKS; BIOACCUMULATION; BIOINDICATORS; WATER POLLUTION; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; BODY; SOUTH AFRICA	Watling, H.R. 1983 Bulletin of Environmental Contamination and Toxicology 30:317-322

Chromium
7440-47-3
Cr
AtW 51.996, MP 1900 C, BP 2642 C, VP 1 mm Hg at 1616 C, 10 mm Hg at 1840 C
Mussel
MYTILUS EDULIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1818 Body		AAS	a) 12 b) 12 c) 8	a) Not given b) Not given c) Not given	a) 1 +or ug/g b) 1 +or- 2 ug/g c) 2 +or- 2 ug/g Dry wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Soft tissue wet wt 2.7-20.4 g Maine MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Holt, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207

Chromium
7440-47-3
Cr
AtW 51.996, MP 1900 C, BP 2642 C, VP 1 mm Hg at 1616 C, 10 mm Hg at 1840 C
Mussel, freshwater
ELLIPTIO COMPLANATUS, LAMPSILUS RADIATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1819 Body		AAS	a) Several 100 b) 36	a) Not given b) Not given	a) 1.2 +or- 1.2 ug/g b) 2.6 +or- 2.2 ug/g Dry wt	a) Homogenized in food processor with stainless-steel blades b) Unhomogenized Soft tissues, mussels wet wt 2-12 g New York, Lake George TELLURIUM; MOLLUSKS; NEW YORK; BODY; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION; FISHES	Holt, M. Klusek, C.S. 1982 Science of the Total Environment 24:129-134

Chromium
7440-47-3
Cr
AtW 51.996, MP 1900 C, BP 2642 C, VP 1 mm Hg at 1616 C, 10 mm Hg at 1840 C
Oyster
CRASSOSTREA VIRGINICA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1820 Body		AAS		Not given	<0.1 ug/g wet wt	Collected 12/78 prior to operation of ore refinery. Shucked wet wt 4.5-11.7 g Mississippi, St. Louis Bay (SW) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Chromium
7440-47-3
Cr
AtW 51.996, MP 1900 C, BP 2642 C, VP 1 mm Hg at 1616 C, 10 mm Hg at 1840 C
Oyster, Pacific
CRASSOSTREA GIGAS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1821 Body		AAS	10	a) Not given b) Not given	a) 0.19 +or- 0.06 ug/g b) 0.65 +or- 0.23 ug/g Wet wt	a) Controls b) 100 ug/l for 3 wk South Africa, Knysna Heads MOLLUSKS; BIOACCUMULATION; BIOINDICATORS; WATER POLLUTION; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; BODY; SOUTH AFRICA	Watling, H.R. 1983 Bulletin of Environmental Contamination and Toxicology 30:317-322

Chromium
7440-47-3
Cr
AEW 51.996, MP 1900 C, BP 2642 C, VP 1 mm Hg at 1616 C, 10 mm Hg at 1840 C
Rudd
SCARDINIUS ERYTHROPHTHALMUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1822 Bone		AAS	a) 6 b) 6 c) 6	a) Not given b) Not given c) Not given	a) 8.3 +or- 2.0 ug/g b) 26.0 +or- 7.8 ug/g c) 19.6 +or- 2.3 ug/g Wet wt	a) 20 mg/l b) 80 mg/l c) 145 mg/l 24-hr exposures. Opercle, fish length 10-15 cm, wt 20-50 g GILLS; BELGIUM; METAL POISONING; BONES; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COPPER; ZINC; BIOACCUMULATION; WATER POLLUTION	Van Hoof, F. Van San, M. 1981 Chemosphere 10(10):1127-1135
1823 Gills		AAS	a) 6 b) 6 c) 6	a) Not given b) Not given c) Not given	a) 6.9 +or- 1.1 ug/g b) 48.2 +or- 11.3 ug/g c) 30.6 +or- 9.5 ug/g Wet wt	a) 20 mg/l b) 80 mg/l c) 145 mg/l 24-hr exposures. Fish length 10-15 cm, wt 20-50 g GILLS; BELGIUM; METAL POISONING; BONES; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COPPER; ZINC; BIOACCUMULATION; WATER POLLUTION	Van Hoof, F. Van San, M. 1981 Chemosphere 10(10):1127-1135
1824 Kidney		AAS	a) 6 b) 6 c) 6	a) Not given b) Not given c) Not given	a) 10.3 +or- 2.5 ug/g b) 23.8 +or- 9.4 ug/g c) 27.8 +or- 3.1 ug/g Wet wt	a) 20 mg/l b) 80 mg/l c) 145 mg/l 24-hr exposures. Fish length 10-15 cm, wt 20-50 g GILLS; BELGIUM; METAL POISONING; BONES; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COPPER; ZINC; BIOACCUMULATION; WATER POLLUTION	Van Hoof, F. Van San, M. 1981 Chemosphere 10(10):1127-1135
1825 Liver		AAS	a) 6 b) 6 c) 6	a) Not given b) Not given c) Not given	a) 5.6 +or- 0.5 ug/g b) 18.4 +or- 5.4 ug/g c) 15.2 +or- 3.1 ug/g Wet wt	a) 20 mg/l b) 80 mg/l c) 145 mg/l 24-hr exposures. Fish length 10-15 cm, wt 20-50 g GILLS; BELGIUM; METAL POISONING; BONES; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COPPER; ZINC; BIOACCUMULATION; WATER POLLUTION	Van Hoof, F. Van San, M. 1981 Chemosphere 10(10):1127-1135

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Chromium
7440-47-3
Cr
AtW 51.996, MP 1900 C, BP 2642 C, VP 1 mm Hg at 1616 C, 10 mm Hg at 1840 C
Rudd
SCARDINIUS ERYTHROPHTHALMUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1826 Muscle		AAS	a) 6 b) 6 c) 6	a) Not given b) Not given c) Not given	a) 0.5 +or- 0.1 ug/g b) 0.8 +or- 0.2 ug/g c) 0.6 +or- 0.1 ug/g Wet wt	a) 20 mg/l b) 80 mg/l c) 145 mg/l 24-hr exposures. Fish length 10-15 cm, wt 20-50 g GILLS; BELGIUM; METAL POISONING; BONES; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COPPER; ZINC; BIOACCUMULATION; WATER POLLUTION	Van Hoof, F. Van Sam, M. 1981 Chemosphere 10(10):1127-1135

Chromium
7440-47-3
Cr
AtW 51.996, MP 1900 C, BP 2642 C, VP 1 mm Hg at 1616 C, 10 mm Hg at 1840 C
Shrimp
PENAEUS SEMISULCATUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1827 Body		AAS	58	0.029-0.113 ug/g wet wt	0.059 ug/g wet wt	Collected 6/81 in sewage outfall area. Mean sediment concentration 18 ug/g Juveniles, wt 2.6-10.1 g Saudi Arabia, Arabian Gulf, AD-Dammam CRUSTACEANS; SAUDI ARABIA; JUVENILES; SEDIMENTS; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BIOACCUMULATION; WATER POLLUTION; BODY	Sadiq, M. Zaidi, T.H. Hoda, A. Mian, A.A. 1982 Bulletin of Environmental Contamination and Toxicology 29:313-319

Chromium
7440-47-3
Cr
AtW 51.996, MP 1900 C, BP 2[illegible] C, VP 1 mm Hg at 1616 C, 10 mm Hg at 1840 C
Whiting
MERLUCCIUS BILINEARIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1028 Liver		AAS	a) 10 b) 9 c) 10	a) Not given b) Not given c) Not given	a) 0.1 +or- 0.1 ug/g b) 0.2 +or- 0.2 ug/g c) 0.1 +or- 0.1 ug/g Dry wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Mean wt 330 g, mean length 36 cm New York Bight, Rockaway Inlet MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Holt, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207
1029 Muscle		AAS	a) 10 b) 10 c) 10	a) Not given b) Not given c) Not given	a) 0.3 +or- 0.2 ug/g b) 0.2 +or- 0.1 ug/g c) 0.3 +or- 0.2 ug/g Dry wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Mean wt 330 g, mean length 36 cm New York Bight, Rockaway Inlet MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Holt, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207

Cobalt
7440-48-4
Co
AtW 58.9332, MP 1493 C, BP 3100 C, VP 1 mm Hg at 1910 C
Cattle
BOS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1830 Blood	Ingestion	AAS	48	a) Not given b) Not given c) Not given	a) <0.10 mg/l b) <0.10 mg/l c) <0.10 mg/l	a) Control pasture, Pensacola bahiagrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season 168 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Edds, G.T. West, R.L. 1981 Journal of Animal Science 53(1):146-153
1831 Kidney	Ingestion	AAS	48	a) Not given b) Not given c) Not given	a) <0.10 mg/kg b) <0.10 mg/kg c) <0.10 mg/kg Wet wt	a) Control pasture, Pensacola bahiagrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season 168 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Edds, G.T. West, R.L. 1981 Journal of Animal Science 53(1):146-153

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Cobalt
7440-48-4
Co
AtW 58.9332, MP 1493 C, BP 3100 C, VP 1 mm Hg at 1910 C
Cattle
BOS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1832 Liver	Ingestion	AAS	48	a) Not given b) Not given c) Not given	a) <0.10 mg/kg b) <0.10 mg/kg c) <0.10 mg/kg Wet wt	a) Control pasture, Pensacola bahiegrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season 168 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Edds, G.T. West, R.L. 1981 Journal of Animal Science 53(1):146-153
1833 Muscle	Ingestion	AAS	48	a) Not given b) Not given c) Not given	a) <0.10 mg/kg b) <0.10 mg/kg c) <0.10 mg/kg Wet wt	a) Control pasture, Pensacola bahiegrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season 168 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Edds, G.T. West, R.L. 1981 Journal of Animal Science 53(1):146-153

Cobalt
7440-48-4
Co
AtW 58.9332, MP 1493 C, BP 3100 C, VP 1 mm Hg at 1910 C
Clam
RANGIA CUNEATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1834 Body		AAS	42	Not given	<0.4 ug/g wet wt	Composite samples, adults collected 12/78 prior to operation of ore refinery Mississippi, St. Louis Bay (MW) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Cobalt
7440-48-4
Co
AtW 58.9332, MP 1493 C, BP 3100 C, VP 1 mm Hg at 1910 C
Crab

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1835 Body		AAS	12	0.77-1.91 ug/g wet wt	1.15 ug/g wet wt	Collected 6/81 in sewage outfall area. Mean sediment concentration 24 ug/g Wt 36.7-163.9 g Saudi Arabia, Arabian Gulf, AD-Dammam CRUSTACEANS; SAUDI ARABIA; JUVENILES; SEDIMENTS; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BIOACCUMULATION; WATER POLLUTION; BODY	Sadiq, M. Zaidi, T.H. Hoda, A. Mian, A.A. 1982 Bulletin of Environmental Contamination and Toxicology 29:313-319

Cobalt
7440-48-4
Co
AtW 58.9332, MP 1493 C, BP 3100 C, VP 1 mm Hg at 1910 C
Mollusk
CRASSOSTREA MARGARITACEA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1836 Body		AAS	10	a) Not given b) Not given	a) <0.02 ug/g b) 0.07 +or- 0.03 ug/g Wet wt	a) Controls b) 100 ug/l for 3 wk South Africa, Knysna Heads MOLLUSKS; BIOACCUMULATION; BIOINDICATORS; WATER POLLUTION; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; BODY; SOUTH AFRICA	Watling, H.R. 1983 Bulletin of Environmental Contamination and Toxicology 30:317-322
1837 Body		AAS	10	a) Not given b) Not given	a) <0.02 ug/g b) 0.46 +or- 0.12 ug/g Wet wt	a) Controls b) 100 ug/l for 3 wk South Africa, Knysna Heads MOLLUSKS; BIOACCUMULATION; BIOINDICATORS; WATER POLLUTION; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; BODY; SOUTH AFRICA	Watling, H.R. 1983 Bulletin of Environmental Contamination and Toxicology 30:317-322
1838 Body		AAS	10	a) Not given b) Not given	a) 0.02 +or- 0.01 ug/g b) 0.38 +or- 0.10 ug/g Wet wt	a) Controls b) 100 ug/l for 3 wk South Africa, Cape Town, Bloubergstrand MOLLUSKS; BIOACCUMULATION; BIOINDICATORS; WATER POLLUTION; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; BODY; SOUTH AFRICA	Watling, H.R. 1983 Bulletin of Environmental Contamination and Toxicology 30:317-322

Cobalt
7440-48-4
Co
AtW 58.9332, MP 1493 C, BP 3100 C, VP 1 mm Hg at 1910 C
Oyster
CRASSOSTREA VIRGINICA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1039 Body		AAS		Not given	<0.4 ug/g wet wt	Collected 12/78 prior to operation of ore refinery. Shucked wet wt 4.5-11.7 g Mississippi, St. Louis Bay (SW) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Cobalt
7440-48-4
Co
AtW 58.9332, MP 1493 C, BP 3100 C, VP 1 mm Hg at 1910 C
Oyster, Pacific
CRASSOSTREA GIGAS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1040 Body		AAS	10	a) Not given b) Not given	a) 0.01 +or- 0.01 ug/g b) 0.41 +or- 0.11 ug/g Wet wt	a) Controls b) 100 ug/l for 3 wk South Africa, Knysna Heads MOLLUSKS; BIOACCUMULATION; BIOINDICATORS; WATER POLLUTION; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; BODY; SOUTH AFRICA	Watling, H.R. 1983 Bulletin of Environmental Contamination and Toxicology 30:317-322

Cobalt
7440-48-4
Co
AtW 58.9332, MP 1493 C, BP 3100 C, VP 1 mm Hg at 1910 C
Shrimp
PENAEUS SEMISULCATUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1981 Body		AAS	63	0.71-1.47 ug/g wet wt	0.98 ug/g wet wt	Collected 6/81 in sewage outfall area. Mean sediment concentration 24 ug/g Juveniles, wt 2.6-18.1 g Saudi Arabia, Arabian Gulf, AD-Dammam CRUSTACEANS; SAUDI ARABIA; JUVENILES; SEDIMENTS; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BIOACCUMULATION; WATER POLLUTION; BODY	Sadiq, M. Zaidi, T.H. Hoda, A. Nian, A.A. 1982 Bulletin of Environmental Contamination and Toxicology 29:313-319

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Bluefish, marine
POMATOMUS SALTATRIX

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1982 Muscle		AAS	a) 1-3 b) 1 c) 1 d) 1	a) Not given b) Not given c) Not given d) Not given	a) 1.6 +or- 0.4 ug/g b) 2.1 +or- 0.2 ug/g c) 1.5 +or- 0.4 ug/g d) 1.4 +or- 0.6 ug/g Dry wt	a) Stainless steel b) Titanium c) Lexan plastic d) Teflon-coated stainless steel Dissecting tool materials Dorsal muscle, fish wt 917-20 g, length 43.5-44.2 cm Virginia, Exmore TELLURIUM; MOLLUSKS; NEW YORK; BODY; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION; FISHES	Neit, M. Klusek, C.S. 1982 Science of the Total Environment 24:129-134

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Canvasback
AYTHYA VALISINERIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1863 Liver		AAS	29	Not given	59 +or- 8 ppm wet wt	Collected 1973 Maryland, Chesapeake Bay BIRDS; MARYLAND; BODY; BONES; KIDNEYS; LIVER; CADMIUM; CHLORINE ORGANIC COMPOUNDS; CHROMIUM; COPPER; DDD; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; LEAD; MERCURY; POLYCHLORINATED BIPHENYLS; ZINC; BIOACCUMULATION; PESTICIDE RESIDUES	White, D.H. Stendell, R.C. Hulbern, E.H. 1979 Wilson Bulletin 91(2):279-287

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Cattle
BOS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1844 Blood	Ingestion	AAS	68	a) Not given b) Not given c) Not given	a) 0.84 +or- 0.10 mg/l b) 0.73 +or- 0.23 mg/l c) 0.76 +or- 0.13 mg/l	a) Control pasture, Pensacola bahiagrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season 168 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Edds, G.T. West, R.L. 1981 Journal of Animal Science 53(1):146-153

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Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Cattle
BOS sp.

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TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1845 Kidney	Ingestion		1	Not applicable	56.5 ppm wet wt	3 yr old Holstein dairy cow fed ration containing a 0.2% Cu supplement. No history of excessive Cu exposure Icterus, hepatic fibrosis, hemoglobinemic nephrosis, death CATTLE; CANADA; AUTOPSIES; KIDNEYS; LIVER; COPPER; MOLYBDENUM; BIOACCUMULATION	Blakley, B.R. Berezowski, J.A. Schiefer, H.B. Armstrong, K.R. 1982 Canadian Veterinary Journal 23:190-192
1846 Kidney	Ingestion	AAS	48	a) Not given b) Not given c) Not given	a) 3.91 +or- 0.35 mg/kg b) 3.76 +or- 0.36 mg/kg c) 3.71 +or- 0.31 mg/kg Wet wt	a) Control pasture, Pensacola bahiagrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season 168 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Edds, G.T. West, N.L. 1981 Journal of Animal Science 53(1):146-153
1847 Kidney		AAS	178	<1.0-14.0 mg/kg wet wt	4.9 +or- 1.5 mg/kg wet wt	From abattoirs in 10 selected 100-sq km areas representing a cross-section of industries. Australia, Queensland CATTLE; AUSTRALIA; KIDNEYS; LIVER; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; SELENIUM; ZINC; BIOACCUMULATION; INDUSTRIAL AREAS	Kramer, M.L. Steiner, J.W. Vallely, P.J. 1983 Bulletin of Environmental Contamination and Toxicology 30:588-594

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Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Cattle
BOS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1848 Liver	Ingestion		1	Not applicable	331 ppm wet wt	3 yr old Holstein dairy cow fed ration containing a 0.2% Cu supplement. No history of excessive Cu exposure Icterus, hepatic fibrosis, hemoglobinemic nephrosis, death CATTLE; CANADA; AUTOPSIES; KIDNEYS; LIVER; COPPER; MOLYBDENUM; BIOACCUMULATION	Blakley, B.R. Beresowski, J.A. Schiefer, H.B. Armstrong, K.R. 1982 Canadian Veterinary Journal 23:190-192
1849 Liver	Ingestion	AAS	48	a) Not given b) Not given c) Not given	a) 21.73 +or- 12.71 mg/kg b) 6.91 +or- 5.11 mg/kg c) 6.31 +or- 4.12 mg/kg Wet wt	a) Control pasture, Pensacola bahiagrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season 168 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick M.C. Rude, J.T. West, R.L. 1981 Journal of Animal Science 53(1):146-153
1850 Liver		AAS	180	1.4-134.5 mg/kg wet wt	33.8 +or- 25.2 mg/kg wet wt	From abattoirs in 10 selected 100-sq km areas representing a cross-section of industries. Australia, Queensland CATTLE; AUSTRALIA; KIDNEYS; LIVER; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; SELENIUM; ZINC; BIOACCUMULATION; INDUSTRIAL AREAS	Kramer, H.L. Steiner, J.W. Valleky, F.J. 1983 Bulletin of Environmental Contamination and Toxicology 30:588-594

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Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Cattle
BOS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1851 Muscle	Ingestion	AAS	48	a) Not given b) Not given c) Not given	a) 1.03 +or- 0.15 mg/kg b) 0.96 +or- 0.14 mg/kg c) 0.96 +or- 0.11 mg/kg Wet wt	a) Control pasture, Pensacola bahiagrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season 168 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Edds, G.T. West, R.L. 1981 Journal of Animal Science 53(1):146-153
1852 Muscle		AAS	181	<1.0-9.3 mg/kg wet wt	1.9 +or- 1.2 mg/kg wet wt	From abattoirs in 10 selected 100-sq mi areas representing a cross-section of industries. 35 samples below detection limit. Australia, Queensland CATTLE; AUSTRALIA; KIDNEYS; LIVER; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; SELENIUM; ZINC; BIOACCUMULATION; INDUSTRIAL AREAS	Kramer, H.L. Steiner, J.W. Valley, P.J. 1983 Bulletin of Environmental Contamination and Toxicology 30:588-594

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Char
SALVELINUS ALPINUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1853 Bone		AAS	a) 10 b) 10	a) Not given b) Not given	a) <4 ug/l b) <4 ug/l Dry wt	a) Llyn Peris b) Llyn Padarn Collected 11/74 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-6 yr, length 60-240 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cowx, I.G. 1982 Environmental Pollution (Series A) 29:101-110
1854 Kidney		AAS	a) 10 b) 10	a) Not given b) Not given	a) <3 ug/l b) <4 ug/l Dry wt	a) Llyn Peris b) Llyn Padarn Collected 11/74 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-6 yr, length 60-240 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cowx, I.G. 1982 Environmental Pollution (Series A) 29:101-110
1855 Liver		AAS	a) 10 b) 10	a) 24-117 ug/l b) 13-108 ug/l Dry wt	a) 47.1 ug/l b) 45.1 ug/l Dry wt	a) Llyn Peris b) Llyn Padarn Collected 11/74 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-6 yr, length 60-240 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cowx, I.G. 1982 Environmental Pollution (Series A) 29:101-110

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Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1679 C, 10 mm Hg at 1870 C
Char
SALVELINUS ALPINUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1856 Muscle		AAS	a) 10 b) 10	a) Not given b) Not given	a) <3 ug/l b) <4 ug/l Dry wt	a) Llyn Peris b) Llyn Padarn Collected 11/74 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-6 yr, length 60-240 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cowx, I.G. 1982 Environmental Pollution (Series A) 29:101-110
1857 Scales		AAS	a) 10 b) 10	a) Not given b) Not given	a) <3 ug/l b) <4 ug/l Dry wt	a) Llyn Peris b) Llyn Padarn Collected 11/74 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-6 yr, length 60-240 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cowx, I.G. 1982 Environmental Pollution (Series A) 29:101-110

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1620 C, 10 mm Hg at 1870 C
Clam
RANGIA CUNEATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1858 Body		AAS	42	Not given	2.46 ug/g wet wt	Composite samples, adults collected 12/78 prior to operation of ore refinery Mississippi, St. Louis Bay (MW) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1620 C, 10 mm Hg at 1870 C
Clam, softshell
MYA ARENARIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1859 Muscle		AAS	67	Not given	2.54 +or- 1.0 ug/g wet wt	Total soft tissues. Collected 1970-74 Oregon, coast CRUSTACEANS; HEPATOPANCREAS; MOLLUSKS; OREGON; MUSCLES; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; IRON; MANGANESE; MERCURY; ZINC	Caldwell, R.S. Buhler, D.R. 1983 Archives of Environmental Contamination and Toxicology 12:15-23

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1620 C, 10 mm Hg at 1870 C
Cockle
CLINOCARDIUM NUTTALLII

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1860 Muscle		AAS	47	Not given	1.24 +or- 0.445 ug/g wet wt	Total soft tissues. Collected 1970-74 Oregon, coast CRUSTACEANS; HEPATOPANCREAS; MOLLUSKS; OREGON; MUSCLES; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; IRON; MANGANESE; MERCURY; ZINC	Caldwell, R.S. Buhler, D.R. 1983 Archives of Environmental Contamination and Toxicology 12:15-23

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1620 C, 10 mm Hg at 1870 C
Crab

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1861 Body		AAS	12	5.72-20.73 ug/g wet wt	12.32 ug/g wet wt	Collected 6/81 in sewage outfall area. Mean sediment concentration 11 ug/g Wt 36.7-163.9 g Saudi Arabia, Arabian Gulf, AD-Dammam CRUSTACEANS; SAUDI ARABIA; JUVENILES; SEDIMENTS; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BIOACCUMULATION; WATER POLLUTION; BODY	Sadiq, M. Zaidi, T.H. Hoda, A. Nian, A.A. 1982 Bulletin of Environmental Contamination and Toxicology 29:313-319

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Crab, Dungeness
CANCER MAGISTER

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1862 Hepatopan creas		AAS	59	Not given	27.5 +or- 22.6 ug/g wet wt	Collected 1970-74 Oregon, coast CRUSTACEANS; HEPATOPANCREAS; MOLLUSKS; OREGON; MUSCLES; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; IRON; MANGANESE; MERCURY; ZINC	Caldwell, R.S. Buhler, D.R. 1983 Archives of Environmental Contamination and Toxicology 12:15-23
1863 Muscle		AAS	73	Not given	10.1 +or- 8.81 ug/g wet wt	Collected 1970-74 Oregon, coast CRUSTACEANS; HEPATOPANCREAS; MOLLUSKS; OREGON; MUSCLES; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; IRON; MANGANESE; MERCURY; ZINC	Caldwell, R.S. Buhler, D.R. 1983 Archives of Environmental Contamination and Toxicology 12:15-23

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Crab, rock
CANCER IRRORATUS Say

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1864 Gills		AAS	97	2.6-110.0 ppm wet wt	22.5 +or- 16.4 ppm wet wt	8.55 ppm mean for newly molted crabs. Collected 12/78-6/80 near sewage disposal site Adults, 5.5-13 cm carapace width New York Bight Discolored or blackened gills in 31% of crabs. Dense growth of fouling organisms in 40% of discolored gills. Color not associated with microbial fouling, tissue pathology or metal concentration CRUSTACEANS; GILLS; NEW YORK; ADULTS; CADMIUM; COPPER; LEAD; SILVER; BIOACCUMULATION; WATER POLLUTION	Greig, R.A. Sawyer, T.K. Lewis, R.J. Galasso, M.E. 1982 Archives of Environmental Contamination and Toxicology 11:539-545

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1620 C, 10 mm Hg at 1870 C
Drum, red
SCIAENOPS OCELLATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1865 Gills		AAS	a) 1 b) 2	a) Not applicable b) Not given	a) 10 ppm b) 2 +or- 0.1 ppm Wet wt	a) Diseased, part of mass kill 6-7/80. Length 93 cm, wt 14 kg b) Controls, length 66 and 69 cm, wt 3.9 and 4.6 kg Florida, Titusville, Indian River and Mosquito Lagoon Lethargy, incoordination, death Elevated serum electrolyte concentrations, edematous gills, excessive mucus secretion GILLS; FLORIDA; ADULTS; METAL POISONING; KIDNEYS; LIVER; ARSENIC; CADMIUM; CHROMIUM; COPPER; MERCURY; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cardeilhac, P.T. Simpson, C.F. White, F.H. Thompson, N.P. Carr, W.E. 1981 Bulletin of Environmental Contamination and Toxicology 27:639-644
1866 Kidney		AAS	a) 1 b) 2	a) Not applicable b) Not given	a) 15 ppm b) 5 +or- 4 ppm Wet wt	a) Diseased, part of mass kill 6-7/80. Length 93 cm, wt 14 kg b) Controls, length 66 and 69 cm, wt 3.9 and 4.6 kg Florida, Titusville, Indian River and Mosquito Lagoon Lethargy, incoordination, death Elevated serum electrolyte concentrations, edematous gills, excessive mucus secretion GILLS; FLORIDA; ADULTS; METAL POISONING; KIDNEYS; LIVER; ARSENIC; CADMIUM; CHROMIUM; COPPER; MERCURY; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cardeilhac, P.T. Simpson, C.F. White, F.H. Thompson, N.P. Carr, W.E. 1981 Bulletin of Environmental Contamination and Toxicology 27:639-644

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Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Drum, red
SCIAENOPS OCELLATA

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1867 Liver		AAS	a) 2 b) 2	a) Not given b) Not given	a) 55 +or- 16 ppm b) 10 +or- 7 ppm Wet wt	a) Diseased, part of mass kill 6-7/80. Length 93 cm, wt 14 kg b) Controls, length 66 and 69 cm, wt 3.9 and 4.6 kg Florida, Titusville, Indian River and Mosquito Lagoon Lethargy, incoordination, death Elevated serum electrolyte concentrations, edematous gills, excessive mucus secretion GILLS; FLORIDA; ADULTS; METAL POISONING; KIDNEYS; LIVER; ARSENIC; CHROMIUM; COPPER; MERCURY; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cardeilhac, P.T. Simpson, C.F. White, F.H. Thompson, N.P. Carr, W.E. 1981 Bulletin of Environmental Contamination and Toxicology 27:639-644

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Duck, mallard
ANAS PLATYRHYNCHOS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1868 Liver		AAS	a) 4 b) 10 c) 19 d) 10	a) Not given b) Not given c) Not given d) Not given	a) 199.8 +or- 12.3 mg/kg b) 95.8 +or- 11.9 mg/kg c) 101.5 +or- 7.2 mg/kg d) 121.4 +or- 17.4 mg/kg Dry wt	a) October b) November c) December d) January Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Duck, tufted
AYTHYA FULIGULA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1869 Liver		AAS	a) 4 b) 5 c) 2	a) Not given b) Not given c) Not given	a) 106.3 +or- 20.7 mg/kg b) 109.6 +or- 13.4 mg/kg c) 80.0 +or- 10.0 mg/kg Dry wt	a) September b) December c) January Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Mollusk
CRASSOSTREA MARGARITACEA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1870 Body		AAS	10	a) Not given b) Not given	a) 1.42 +or- 0.38 ug/g b) 7.36 +or- 3.64 ug/g Wet wt	a) Controls b) 100 ug/l for 3 wk South Africa, Knysna Heads MOLLUSKS; BIOACCUMULATION; BIOINDICATORS; WATER POLLUTION; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BODY; SOUTH AFRICA	Watling, H.R. 1983 Bulletin of Environmental Contamination and Toxicology 30:317-322
1871 Body		AAS	10	a) Not given b) Not given	a) 0.74 +or- 0.14 ug/g b) 1.79 +or- 0.90 ug/g Wet wt	a) Controls b) 100 ug/l for 3 wk South Africa, Knysna Heads MOLLUSKS; BIOACCUMULATION; BIOINDICATORS; WATER POLLUTION; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BODY; SOUTH AFRICA	Watling, H.R. 1983 Bulletin of Environmental Contamination and Toxicology 30:317-322

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Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Mollusk
CRASSOSTREA MARGARITACEA

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1872 Body		AAS	10	a) Not given b) Not given	a) 1.16 +or- 0.12 ug/g b) 1.44 +or- 0.11 ug/g Wet wt	a) Controls b) 100 ug/l for 3 wk South Africa, Cape Town, Bloubergstrand MOLLUSKS; BIOACCUMULATION; BIOINDICATORS; WATER POLLUTION; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BODY; SOUTH AFRICA	Watling, H.R. 1983 Bulletin of Environmental Contamination and Toxicology 30:317-322

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Moorhen
GALLINULA CHLOROPUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1873 Liver		AAS	5	Not given	55.5 mg/kg dry wt	Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1620 C, 10 mm Hg at 1870 C
Mussel
MYTILUS EDULIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1874 Body		AAS	a) 20 b) 20 c) 20 d) 20 e) 20 f) 20 g) 20 h) 20 i) 20	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given	a) 5.0 ug b) 7.3 ug c) 9.9 ug d) 5.6 ug e) 4.8 ug f) 5.0 ug g) 4.3 ug h) 7.9 ug i) 7.2 ug	a) 10/23/79, wt 0.467 g b) 11/14/79, wt 0.692 g c) 1/14/80, wt 0.680 g d) 2/11/80, wt 0.626 g e) 3/10/80, wt 0.581 g f) 4/8/80, wt 0.630 g g) 5/7/80, wt 0.616 g h) 6/2/80, wt 0.646 g i) 6/17/80, wt 0.818 g Somatic tissue. Pooled samples Sexually mature population, size 50-60 mm Oregon, Newport, Yaquina Bay MOLLUSKS; GONADS; OREGON; ADULTS; BODY; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; MANGANESE; NICKEL; VANADIUM; ZINC	Latouche, Y.D. Mix, M.C. 1981 Bulletin of Environmental Contamination and Toxicology 27:821-828
1875 Body		AAS	a) 12 b) 12 c) 8	a) Not given b) Not given c) Not given	a) 6 +or- 2 ug/g b) 6 +or- 2 ug/g c) 6 +or- 2 ug/g Dry wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Soft tissue wet wt 2.7-20.4 g Maine MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Heit, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207
1876 Gonads		AAS	a) 20 b) 20 c) 20 d) 20 e) 20 f) 20 g) 20 h) 20 i) 20	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given	a) 2.0 ug b) 2.3 ug c) 1.1 ug d) 1.4 ug e) 1.0 ug f) 1.4 ug g) 0.8 ug h) 0.9 ug i) 1.3 ug	a) 10/23/79, wt 0.154 g b) 11/14/79, wt 0.178 g c) 1/14/80, wt 0.191 g d) 2/11/80, wt 0.151 g e) 3/10/80, wt 0.169 g f) 4/8/80, wt 0.209 g g) 5/7/80, wt 0.112 g h) 6/2/80, wt 0.128 g i) 6/17/80, wt 0.258 g Pooled samples Sexually mature population, size 50-60 mm Oregon, Newport, Yaquina Bay MOLLUSKS; GONADS; OREGON; ADULTS; BODY; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; MANGANESE; NICKEL; VANADIUM; ZINC	Latouche, Y.D. Mix, M.C. 1981 Bulletin of Environmental Contamination and Toxicology 27:821-828

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Mussel, freshwater
ELLIPTIO COMPLANATUS, LAMPSILUS RADIATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1877 Body		AAS	a) Several ISR b) 36	a) Not given b) Not given	a) 19 +or- 9 ug/g b) 14 +or- 6 ug/g Dry wt	a) Homogenized in food processor with stainless-steel blades b) Unhomogenized Soft tissues, mussels wet wt 2-12 g New York, Lake George TELLURIUM; MOLLUSKS; NEW YORK; BODY; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION; FISHES	Heit, M. Klusek, C.S. 1982 Science of the Total Environment 24:129-134

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Otter, river
LUTRA CANADENSIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1878 Bone		AAS	198	<0.16-5.69 mg/g dry wt	0.13 +or- 0.04 mg/g dry wt	Collected during 1979-80 trapping season Virginia, Tidewater region OTTERS; CADMIUM; COPPER; LEAD; ZINC; BIOACCUMULATION; WATER POLLUTION; BONES; KIDNEYS; LIVER; VIRGINIA	Anderson-Bledsoe, K.L. Scanlon, P.F. 1983 Bulletin of Environmental Contamination and Toxicology 30:442-447
1879 Kidney		AAS	a) 221 b) 169	a) <0.16-80.15 mg/g b) <0.16-16.13 mg/g Dry wt	a) 6.16 +or- 0.59 mg/g b) 3.22 +or- 0.23 mg/g Dry wt	a) 1979-80 b) 1980-81 Collected during trapping seasons Virginia, Tidewater region OTTERS; CADMIUM; COPPER; LEAD; ZINC; BIOACCUMULATION; WATER POLLUTION; BONES; KIDNEYS; LIVER; VIRGINIA	Anderson-Bledsoe, K.L. Scanlon, P.F. 1983 Bulletin of Environmental Contamination and Toxicology 30:442-447

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Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Otter, river
LUTRA CANADENSIS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1880 Liver		AAS	a) 226 b) 131	a) <0.16-211.00 mg/g b) 0.16-52.18 mg/g Dry wt	a) 13.92 +or- 1.48 mg/g b) 9.96 +or- 0.78 mg/g Dry wt	a) 1979-80 b) 1980-81 Collected during trapping seasons Virginia, Tidewater region OTTERS; CADMIUM; COPPER; LEAD; ZINC; BIOACCUMULATION; WATER POLLUTION; BONES; KIDNEYS; LIVER; VIRGINIA	Anderson-Bledsoe, K.L. Scanlon, P.F. 1983 Bulletin of Environmental Contamination and Toxicology 30:442-447

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Oyster
OSTREA EDULIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1881 Body		AAS	20	115-1840 ppm dry wt	610 ppm dry wt Geometric mean	Collected 10/80 in estuary draining mineralized catchment area Commercial size oysters United Kingdom, Lynher Estuary MOLLUSKS; UNITED KINGDOM; BODY; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATOIN; WATER POLLUTION	Bland, E. Ackroyd, D.R. Marsh, J.G. Millward, G.E. 1982 Science of the Total Environment 22:235-241
1882 Body		AAS		Not given	31.5 ug/g wet wt	Collected 12/78 prior to operation of ore refinery. Shucked wet wt 4.5-11.7 g Mississippi, St. Louis Bay (SW) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Oyster, Pacific
CRASSOSTREA GIGAS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1883 Body		AAS	10	a) Not given b) Not given	a) 11.2 +or- 3.3 ug/g b) 23.3 +or- 3.7 ug/g Wet wt	a) Controls b) 100 ug/l for 3 wk South Africa, Knysna Heads MOLLUSKS; BIOACCUMULATION; BIOINDICATORS; WATER POLLUTION; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BODY; SOUTH AFRICA	Watling, H.R. 1983 Bulletin of Environmental Contamination and Toxicology 30:317-322

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Pintail
ANAS ACUTA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1884 Liver		AAS	a) 1 b) 3 c) 2 d) 23	a) Not applicable b) Not given c) Not given d) Not given	a) 83.0 mg/kg b) 77.3 +or- 14.9 mg/kg c) 142.5 +or- 4.5 mg/kg d) 94.8 +or- 7.6 mg/kg Dry wt	a) September b) October c) December d) January Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Plover, golden
PLUVIALIS APRICARIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1885 Liver		AAS	4	Not given	20.5 ug/kg dry wt	Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Rudd
SCARDINIUS ERYTHROPHTHALMUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1886 Bone		AAS	a) 6 b) 6 c) 6 d) 6 e) 6 f) 6 g) 6	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 12.4 +or- 6.7 ug/g b) 52.6 +or- 7.5 ug/g c) 72.1 +or- 15.3 ug/g d) 104.0 +or- 26.3 ug/g e) 30.9 +or- 7.7 ug/g f) 6.5 +or- 2.8 ug/g g) 30.3 +or- 13.6 ug/g Wet wt	a) Controls b) 250 ug/l for 24 hr c) 1200 ug/l for 24 hr d) 1600 ug/l for 24 hr e) 50 ug/l for 3 wk f) After 1979 fish kill g) After 1979 Cu fish kill Opercle, fish length 10-15 cm, wt 20-50 g Belgium, Meuse River 100% mortality at 250, 1200, and 1600 ug/l. GILLS; BELGIUM; METAL POISONING; BONES; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COPPER; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Van Hoof, F. Van San, M. 1981 Chemosphere 10(10):1127-1135

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Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Rudd
SCARDINIUS ERYTHROPHTHALMUS

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TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1887 Gills		AAS	a) 6 b) 6 c) 6 d) 6 e) 6 f) 6 g) 6	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 5.5 +or- 3.2 ug/g b) 22.9 +or- 6.1 ug/g c) 29.3 +or- 6.5 ug/g d) 43.2 +or- 12.4 ug/g e) 8.9 +or- 1.8 ug/g f) 10.0 +or- 7.8 ug/g g) 70.6 +or- 7.8 ug/g Wet wt	a) Controls b) 250 ug/l for 24 hr c) 1200 ug/l for 24 hr d) 1600 ug/l for 24 hr e) 50 ug/l for 3 wk f) After 1979 fish kill g) After 1979 Cu fish kill Length 0-15 cm, wt 20-50 g Belgium, Meuse River 100% mortality at 250, 1200, and 1600 ug/l. GILLS; BELGIUM; METAL POISONING; BONES; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COPPER; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Van Hoof, F. Van San, M. 1981 Chemosphere 10(10):1127-1135
1888 Kidney		AAS	a) 6 b) 6 c) 6 d) 6 e) 6 f) 6 g) 6	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 6.0 +or- 3.1 ug/g b) 30.4 +or- 6.1 ug/g c) 39.0 +or- 8.3 ug/g d) 64.0 +or- 15.5 ug/g e) 28.5 +or- 8.2ug/g f) 11.5 +or- 6.9 ug/g g) 18.9 +or- 4.8 ug/g Wet wt	a) Controls b) 250 ug/l for 24 hr c) 1200 ug/l for 24 hr d) 1600 ug/l for 24 hr e) 50 ug/l for 3 wk f) After 1979 fish kill g) After 1979 Cu fish kill Length 0-15 cm, wt 20-50 g Belgium, Meuse River 100% mortality at 250, 1200, and 1600 ug/l. GILLS; BELGIUM; METAL POISONING; BONES; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COPPER; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Van Hoof, F. Van San, M. 1981 Chemosphere 10(10):1127-1135

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Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Rudd
SCARDINIUS ERYTHROPHTHALMUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1889 Liver		AAS	a) 6 b) 6 c) 6 d) 6 e) 6 f) 6 g) 6	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 6.9 +or- 6.0 ug/g b) 22.3 +or- 4.0 ug/g c) 31.1 +or- 5.5 ug/g d) 39.8 +or- 6.2 ug/g e) 20.2 +or- 6.1 ug/g f) 11.0 +or- 5.9 ug/g g) 23.9 +or- 11.2 ug/g Wet Wt	a) Controls b) 250 ug/l for 24 hr c) 1200 ug/l for 24 hr d) 1600 ug/l for 24 hr e) 50 ug/l for 3 wk f) After 1979 fish kill g) After 1979 Cu fish kill Length 0-15 cm, wt 20-50 g Belgium, Meuse River 100% mortality at 250, 1200, and 1600 ug/l. GILLS; BELGIUM; METAL POISONING; BONES; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COPPER; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Van Hoof, F. Van San, M. 1981 Chemosphere 10(10):1127-1135
1890 Muscle		AAS	a) 6 b) 6 c) 6 d) 6 e) 6 f) 6 g) 6	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 0.7 +or- 0.2 ug/g b) 2.3 +or- 0.2 ug/g c) 2.2 +or- 0.4 ug/g d) 4.0 +or- 1.3 ug/g e) 1.6 +or- 0.3 ug/g f) 2.7 +or- 1.8 ug/g g) 4.1 +or- 1.7 ug/g Wet wt	a) Controls b) 250 ug/l for 24 hr c) 1200 ug/l for 24 hr d) 1600 ug/l for 24 hr e) 50 ug/l for 3 wk f) After 1979 fish kill g) After 1979 Cu fish kill Length 0-15 cm, wt 20-50 g Belgium, Meuse River 100% mortality at 250, 1200, and 1600 ug/l. GILLS; BELGIUM; METAL POISONING; BONES; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COPPER; ZINC BIOACCUMULATION; FISHES; WATER POLLUTION	Van Hoof, F. Van San, M. 1981 Chemosphere 10(10):1127-1135

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1620 C, 10 mm Hg at 1870 C
Scallop, bay
ARGOPECTEN IRRADIANS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1891 Intestine		AAS	a) 5 b) 5 c) 5	a) Not given b) Not given c) Not given	a) 26 +or- 3 ug/g b) 87 +or- 27 ug/g c) 303 +or- 81 ug/g Dry wt	a) Controls b) 8 wk in 5 ug/kg seawater c) 9 wk in 10 ug/kg seawater Visceral mass, adults, mean shell length 5.49 cm Rhode Island, Salt Pond MOLLUSKS; BIOACCUMULATION; BIOINDICATORS; COPPER; INTESTINES; MUSCLES; RHODE ISLAND; ADULTS	Karoogian, G.H. Johnson, H. 1983 Archives of Environmental Contamination and Toxicology 12:127-133
1892 Muscle		AAS	a) 5 b) 5 c) 5	a) Not given b) Not given c) Not given	a) 1.79 +or- 0.33 ug/g b) 4.23 +or- 1.66 ug/g c) 7.05 +or- 2.09 ug/g Dry wt	a) Controls b) 8 wk in 5 ug/kg seawater c) 8 wk in 10 ug/kg seawater Adductor muscle, adults, mean shell length 5.49 cm Rhode Island, Salt Pond MOLLUSKS; BIOACCUMULATION; BIOINDICATORS; COPPER; INTESTINES; MUSCLES; RHODE ISLAND; ADULTS	Karoogian, G.H. Johnson, H. 1983 Archives of Environmental Contamination and Toxicology 12:127-133

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1620 C, 10 mm Hg at 1870 C
Sheep
OVIS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1893 Heart	Ingestion	AAS	21	a) Not given b) Not given c) Not given	a) 15.0 mg/kg b) 13.5 mg/kg c) 14.3 mg/kg Dry wt	a) Fetuses from ewes on Cu-deficient rations (<1 mg/kg of feed) for 9 mo before breeding b) Fetuses from ewes on Cu-supplemented rations (10 mg/kg of feed) for 2 mo before breeding c) Fetuses from ewes on natural diet 130 day old fetuses SHEEP; CANADA; FETUS; NUTRITIONAL DEFICIENCIES; HEART; KIDNEYS; LIVER; LUNGS; SPLEEN; COPPER; IRON; MANGANESE; TRACE ELEMENTS; ZINC; BIOACCUMULATION	Hidiroglou, M. Williams, C.J. 1982 American Journal of Veterinary Research 43(2):310-313

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Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Sheep
OVIS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1894 Kidney	Ingestion	AAS	21	a) Not given b) Not given c) Not given	a) 6.8 mg/kg b) 18.6 mg/kg c) 10.0 mg/kg Dry wt	a) Fetuses from ewes on Cu-deficient rations (<1 mg/kg of feed) for 9 mo before breeding b) Fetuses from ewes on Cu-supplemented rations (10 mg/kg of feed) for 2 mo before breeding c) Fetuses from ewes on natural diet 130 day old fetuses SHEEP; CANADA; FETUS; NUTRITIONAL DEFICIENCIES; HEART; KIDNEYS; LIVER; LUNGS; SPLEEN; COPPER; IRON; MANGANESE; TRACE ELEMENTS; ZINC; BIOACCUMULATION	Hidiroglou, M. Williams, C.J. 1982 American Journal of Veterinary Research 43(2):310-313
1895 Kidney	Ingestion	AAS	8	6-86 ppm wet wt	41 ppm wet wt	Crossbred, hysterectomy-derived lambs, fed milk replacer diet containing 2.9 ppm Cu until 12 days of age Hepatic and renal failure Severe hemolytic anemia, hemoglobinemia, hemoglobinurea, urinary casts, leukocytosis with neutrophilia SHEEP; CANADA; NEWBORN; ANEMIA; KIDNEY DISEASES; LIVER DISEASES; METAL POISONING; KIDNEYS; LIVER; BIOACCUMULATION; COPPER	Rundra, A. Bugden, H.A. Nielsen, K. Martin, K.H. 1982 Canadian Veterinary Journal 23:102-105
1896 Liver	Ingestion	AAS	21	a) Not given b) Not given c) Not given	a) 12.9 mg/kg b) 218 mg/kg c) 191 mg/kg Dry wt	a) Fetuses from ewes on Cu-deficient rations (<1 mg/kg of feed) for 9 mo before breeding b) Fetuses from ewes on Cu-supplemented rations (10 mg/kg of feed) for 2 mo before breeding c) Fetuses from ewes on natural diet 130 day old fetuses SHEEP; CANADA; FETUS; NUTRITIONAL DEFICIENCIES; HEART; KIDNEYS; LIVER; LUNGS; SPLEEN; COPPER; IRON; MANGANESE; TRACE ELEMENTS; ZINC; BIOACCUMULATION	Hidiroglou, M. Williams, C.J. 1982 American Journal of Veterinary Research 43(2):310-313

(NEXT PAGE)

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Sheep
OVIS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1897 Liver	Ingestion	AAS	10	38-584 ppm wet wt	308 ppm wet wt	Crossbred, hysterectomy-derived lambs, fed milk replacer diet containing 2.9 ppm Cu until 12 days of age Hepatic and renal failure Severe hemolytic anemia, hemoglobinemia, hemoglobinurea, urinary casts, leukocytosis with neutrophilia SHEEP; CANADA; NEWBORN; ANEMIA; KIDNEY DISEASES; LIVER DISEASES; METAL POISONING; KIDNEYS; LIVER; BIOACCUMULATION; COPPER	Bundza, A. Sugden, E.A. Nielsen, K. Martin, K.E. 1982 Canadian Veterinary Journal 23:102-105
1898 Lung	Ingestion	AAS	21	a) Not given b) Not given c) Not given	a) 3.92 mg/kg b) 5.2 mg/kg c) 7.1 mg/kg Dry wt	a) Fetuses from ewes on Cu-deficient rations (<1 mg/kg of feed) for 9 mo before breeding b) Fetuses from ewes on Cu-supplemented rations (10 mg/kg of feed) for 2 mo before breeding c) Fetuses from ewes on natural diet 130 day old fetuses SHEEP; CANADA; FETUS; NUTRITIONAL DEFICIENCIES; HEART; KIDNEYS; LIVER; LUNGS; SPLEEN; COPPER; IRON; MANGANESE; TRACE ELEMENTS; ZINC; BIOACCUMULATION	Hidiroglou, M. Williams, C.J. 1982 American Journal of Veterinary Research 43(2):310-313
1899 Spleen	Ingestion	AAS	21	a) Not given b) Not given c) Not given	a) 3.6 mg/kg b) 3.1 mg/kg c) 4.0 mg/kg Dry wt	a) Fetuses from ewes on Cu-deficient rations (<1 mg/kg of feed) for 9 mo before breeding b) Fetuses from ewes on Cu-supplemented rations (10 mg/kg of feed) for 2 mo before breeding c) Fetuses from ewes on natural diet 130 day old fetuses SHEEP; CANADA; FETUS; NUTRITIONAL DEFICIENCIES; HEART; KIDNEYS; LIVER; LUNGS; SPLEEN; COPPER; IRON; MANGANESE; TRACE ELEMENTS; ZINC; BIOACCUMULATION	Hidiroglou, M. Williams, C.J. 1982 American Journal of Veterinary Research 43(2):310-313

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Shoveler
ANAS CLYPEATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1900 Liver		AAS	a) 7 b) 6 c) 4 d) 2 e) 6	a) Not given b) Not given c) Not given d) Not given e) Not given	a) 63.8 +or- 19.2 mg/kg b) 62.3 +or- 9.1 mg/kg c) 71.3 +or- 14.7 mg/kg d) 56.5 +or- 21.5 mg/kg e) 120.2 +or- 25.0 mg/kg Dry wt	a) September b) October c) November d) December e) January Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Shrimp
PENAEUS SEMISULCATUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1901 Body		AAS	63	4.03-14.66 ug/g wet wt	6.93 ug/g wet wt	Collected 6/81 in sewage outfall area. Mean sediment concentration 11 ug/g Juveniles, wt 2.6-18.1 g Saudi Arabia, Arabian Gulf, AD-Dammam CRUSTACEANS; SAUDI ARABIA; JUVENILES; SEDIMENTS; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BIOACCUMULATION; WATER POLLUTION; BODY	Sadiq, M. Zaidi, T.H. Hoda, A. Mian, A.A. 1982 Bulletin of Environmental Contamination and Toxicology 29:313-319

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Snipe
GALLINAGO GALLINAGO

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1982 Liver		AAS	a) 3 b) 4 c) 7 d) 6	a) Not given b) Not given c) Not given d) Not given	a) 23.7 +or- 3.7 mg/kg b) 72.3 +or- 40.8 mg/kg c) 20.0 +or- 3.4 mg/kg d) 25.5 +or- 14.0 mg/kg Dry wt	a) October b) November c) December d) January Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Teal
ANAS CRECCA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1983 Liver		AAS	a) 9 b) 12 c) 23 d) 15	a) Not given b) Not given c) Not given d) Not given	a) 118.4 +or- 12.1 mg/kg b) 60.6 +or- 8.0 mg/kg c) 74.6 +or- 6.7 mg/kg d) 90.4 +or- 8.6 mg/kg Dry wt	a) October b) November c) December d) January Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Trout, brown
SALMO TRUTTA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1904 Bone		AAS	a) 10 b) 10	a) Not given b) Not given	a) <5 ug/l b) <4 ug/l Dry wt	a) Llyn Peris b) Llyn Padarn Collected 11/74 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-3 yr, length 80-250 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cowx, I.G. 1982 Environmental Pollution (Series A) 29:101-110
1905 Kidney		AAS	a) 10 b) 16	a) Not given b) Not given	a) <5 ug/l b) <4 ug/l Dry wt	a) Llyn Peris b) Llyn Padarn Collected 11/74 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-3 yr, length 80-250 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cowx, I.G. 1982 Environmental Pollution (Series A) 29:101-110
1906 Liver		AAS	a) 10 b) 10	a) 279-687 ug/l b) 192-674 ug/l Dry wt	a) 392.7 ug/l b) 413.1 ug/l Dry wt	a) Llyn Peris b) Llyn Padarn Collected 11/74 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-3 yr, length 80-250 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cowx, I.G. 1982 Environmental Pollution (Series A) 29:101-110

(NEXT PAGE)

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Trout, brown
SALMO TRUTTA

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1907 Muscle		AAS	a) 10 b) 10	a) Not given b) Not given	a) <1 ug/l b) <1 ug/l Dry wt	a) Llyn Peris b) Llyn Padarn Collected 11/74 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-3 yr, length 80-250 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cowx, I.G. 1982 Environmental Pollution (Series A) 29:101-110
1908 Scales		AAS	a) 10 b) 10	a) Not given b) Not given	a) <3 ug/l b) <3 ug/l Dry wt	a) Llyn Peris b) Llyn Padarn Collected 11/74 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-3 yr, length 80-250 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cowx, I.G. 1982 Environmental Pollution (Series A) 29:101-110

Copper
7440-50-8
Cu
AtW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Whiting
MERLUCCIUS BILINEARIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1909 Liver		AAS	a) 10 b) 10 c) 10	a) Not given b) Not given c) Not given	a) 8 +or- 3 ug/g b) 2 +or- 1 ug/g c) 2 +or- 1 ug/g Dry wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Mean wt 330 g, mean length 36 cm New York Bight, Rockaway Inlet MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Neit, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207
1910 Muscle		AAS	a) 10 b) 10 c) 10	a) Not given b) Not given c) Not given	a) 1.7 +or- 0.4 ug/g b) 3.0 +or- 0.7 ug/g c) 1.7 +or- 0.3 ug/g Dry wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Mean wt 330 g, mean length 36 cm New York Bight, Rockaway Inlet MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Neit, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207

Copper
7440-50-8
Cu
ARW 63.546, MP 1083 C, BP 2595 C, VP 1 mm Hg at 1628 C, 10 mm Hg at 1870 C
Wigeon
ANAS PENELOPE

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1911 Liver		AAS	a) 10 b) 10 c) 20 d) 20	a) Not given b) Not given c) Not given d) Not given	a) 124.1 +or- 17.0 mg/kg b) 93.4 +or- 10.26 mg/kg c) 73.3 +or- 9.5 mg/kg d) 118.5 +or- 10.2 mg/kg Dry wt	a) October b) November c) December d) January Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Cyclopenta(c)furo(3',2':6,5)furo(2,3-h)(1)benzopyran-1,11-dione, 2,3,6aalpha,9aalpha-tetrahydro-4-methoxy- (8 CI)
Cyclopenta(c)furo(3',2':6,5)furo(2,3-h)(1)benzopyran-1,11-dione, 2,3,6a,9a-tetrahydro-4-methoxy-, (6aR-cis)- (9 CI)
1162-65-8
C17-H12-O6
MW 312.3, MP 268-269 C
Cattle
BOS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1912 Milk	Ingestion	TLC	6	a) Not given b) Not given	a) 0.21 +or- 0.119 ug/l b) 4.82 +or- 2.38 ug	a) Aflatoxin M1 (metabolite) b) Daily output of aflatoxin M1 Mean daily milk yield 22.5 l Friesian and Friesian X dairy cows fed rations containing 10 ug aflatoxin B1/kg CATTLE; BIOACCUMULATION; MILK; AFLATOXINS; UNITED KINGDOM; ADULTS	Patterson, D.S.P. Glancy, E.M. Roberts, B.A. 1980 Food and Cosmetics Toxicology 18:35-37

Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester
52645-53-1
C21-H20-Cl2-O3
MW 391.3, MP 34-39 C, BP 200 C at 0.01 mm Hg, VP 3.4X10(E-7) mm Hg at 25 C
Salmon, Atlantic
SALMO SALAR

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1913 Body		GC	12	a) Not given b) Not given c) Not given d) Not given	a) 1.2 ug/g b) 1.0 ug/g c) 0.90 ug/g d) 0.50 ug/g	a) 10 hr, 85 ug/l b) 14 hr, 42 ug/l c) 17 hr, 21 ug/l d) 89 hr, 6.9 ug/l Exposure times and levels in water. Juveniles, mean length 6.2 cm, mean wt 5.3 g JUVENILES; CANADA; BODY; CHLORINE ORGANIC COMPOUNDS; INSECTICIDES; BIOACCUMULATION; FISHES	McLeese, D.W. Metcalfe, C.D. Zitko, V. 1980 Bulletin of Environmental Contamination and Toxicology 25:950-955

Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methyl ester
52315-07-8
C22-H19-Cl2-N-O3
MW 416.3, MP 60 C, VP 3.8X10(E-8) mm Hg at 70 C
Salmon, Atlantic
SALMO SALAR

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1914 Body		GC	12	a) Not given b) Not given c) Not given d) Not given	a) 0.04 ug/g b) 0.02 ug/g c) 0.02 ug/g d) 0.01 ug/g	a) 12 hr, 12 ug/l b) 21 hr, 7.8 ug/l c) 62 hr, 3.0 ug/l d) 96 hr, 1.4 ug/l Exposure times and levels in water. Juveniles, mean length 6.2 cm, mean wt 5.3 g JUVENILES; CANADA; BODY; CHLORINE ORGANIC COMPOUNDS; INSECTICIDES; BIOACCUMULATION; FISHES	McLeese, D.W. Metcalfe, C.D. Zitko, V. 1980 Bulletin of Environmental Contamination and Toxicology 25:950-955

DDT, total (No postings in CHEMLINE).
50-29-3
C14-H9-C15
MW 354.50
Bass, largemouth
MICROPTERUS SALMOIDES

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1915 Body		GC-EC	a) 24 b) 52	a) 7-109 ppb wet wt b) Not given	a) 6. ppm wet wt b) 1.87 ppm lipid wt	a) 1977-78, mean length 225 mm b) 1978, 4% fat Juveniles Iowa (C), Des Moines River JUVENILES; IOWA; BODY; BIOACCUMULATION; WATER POLLUTION; FISHES; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; INSECTICIDES	Bulkley, R.V. Leung, S.T. Richard, J.J. 1981 Pesticides Monitoring Journal 15(2):86-89

DDT, total (No postings in CHEMLINE).
50-29-3
C14-H9-C15
MW 354.50
Carp
CYPRINUS CARPIO

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1916 Body		GC-EC	a) 39 b) 91	a) 12-125 ppb wet wt b) Not given	a) 62 ppb wet wt b) 1.80 ppm lipid wt	a) 1977-78, mean length 151 mm b) 1978, 4.5% fat Juveniles Iowa (C), Des Moines River JUVENILES; IOWA; BODY; BIOACCUMULATION; WATER POLLUTION; FISHES; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; INSECTICIDES	Bulkley, R.V. Leung, S.T. Richard, J.J. 1981 Pesticides Monitoring Journal 15(2):86-89

DDT, total (No postings in CHEMLINE).
50-29-3
C14-H9-C15
MW 354.50
Carpsucker, river
CARPIODES CARPIO

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1917 Body		GC-EC	a) 39 b) 72	a) 10-329 ppb wet wt b) Not given	a) 68 ppb wet wt b) 0.72 ppm lipid wt	a) 1977-78, mean length 178 mm b) 1978, 5.4% fat Juveniles Iowa (C), Des Moines River JUVENILES; IOWA; BODY; BIOACCUMULATION; WATER POLLUTION; FISHES; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; INSECTICIDES	Bulkley, R.V. Leung, S.T. Richard, J.J. 1981 Pesticides Monitoring Journal 15(2):86-89

DDT, total (No postings in CHEMLINE).
50-29-3
C14-H9-C15
MW 354.50
Catfish, channel
ICTALURUS PUNCTATUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1918 Body		GC-EC	a) 17 b) 3	a) 16-136 ppb wet wt b) Not given	a) 6.7 ppb wet wt b) 1.19 ppm lipid wt	a) 1977-78, mean length 253 mm b) 1978, 8.5% fat Juveniles Iowa (C), Des Moines River JUVENILES; IOWA; BODY; BIOACCUMULATION; WATER POLLUTION; FISHES; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; INSECTICIDES	Bulkley, R.V. Leung, S.T. Richard, J.J. 1981 Pesticides Monitoring Journal 15(2):86-89

DDT, total (No postings in CHEMLINE).
50-29-3
C14-H9-Cl5
NW 354.50
Crappie, white
POMOXIS ANNULARIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1919 Body		GC-EC	a) 23 b) 79	a) 6-72 ppb wet wt b) Not given	a) 84 ppb wet wt b) 1.7 ppm lipid wt	a) 1977-78, mean length 134 mm b) 1978, 2.7% fat Juveniles Iowa (C), Des Moines River JUVENILES; IOWA; BODY; BIOACCUMULATION; WATER POLLUTION; FISHES; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; INSECTICIDES	Bulkley, R.V. Leung, S.T. Richard, J.J. 1981 Pesticides Monitoring Journal 15(2):86-89

DDT, total (No postings in CHEMLINE).
50-29-3
C14-H9-Cl5
NW 354.50
Eagle, bald
HALIAEETUS LEUCOCEPHALUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1920 Blood, plasma		GC-EC	a) 6 b) 11 c) 10 d) 10	a) 0.03-0.10 ug/g b) 0.01-0.14 ug/g c) 0.03-0.23 ug/g d) Not detected-0.31 ug/g	a) 0.06 ug/g ug/g ug/g d) 0.07 ug/g	a) Missouri, adults, 1978 b) Missouri, subadults, 1978 c) Colorado, adults, 1977 d) Colorado, subadults, 1977 Almost all DDE. Residues in eggs estimated from plasma values are 0.36 ug/g for Missouri and 0.81 ug/g for Colorado birds Wintering populations Colorado, San Luis Valley Missouri, Swan Lake National Wildlife Refuge BIRDS; EGGS; COLORADO; MISSOURI; ADULTS; BLOOD PLASMA; DDT; DIELDRIN; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Henny, C.J. Griffin, C.R. Stahlecker, D.W. Hermata, A.R. Cromartie, E. 1981 Canadian Field-Naturalist 95(3):249-252

BHT; total (No postings in CHEMLINE).
58-29-3
C14-H9-C15
MW 354.50
Gull, herring
LARUS ARGENTATUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1921 Eggs		GC-EC	20	a) Not given b) Not given	a) 97.2 +or- 9.7 mg/kg b) 7.0 +or- 0.7 mg/kg	a) Lipid wt b) Wet wt 7.5% fat. Collected 1978 Finland (SW), archipelago, Karuna parish BIRDS; JUVENILES; EGGS; FINLAND; ADULTS; NEWBORN; LIVER; MUSCLES; DDT; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Lemmetyinen, R. Rantamaki, P. Karlin, A. 1982 Chemosphere 11(10):1059-1068
1922 Muscle		GC-EC	67	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given j) Not given k) Not given l) Not given	a) 221.8 +or- 25.8 mg/kg b) 17.2 +or- 2.5 mg/kg c) 32.8 +or- 10.9 mg/kg d) 0.8 +or- 0.2 mg/kg e) 21.0 +or- 3.2 mg/kg f) 1.0 +or- 0.1 mg/kg g) 22.1 +or- 6.1 mg/kg h) 1.1 +or- 0.2 mg/kg i) 152.6 +or- 25.1 mg/kg j) 6.7 +or- 1.1 mg/kg k) 200.2 +or- 31.6 mg/kg l) 6.9 +or- 1.0 mg/kg	a) Newly hatched, lipid wt b) Newly hatched, wet wt c) Age 2-4 wk, lipid wt d) Age 2-4 wk, wet wt e) Age <14 mo, male, lipid wt f) Age <14 mo, male, wet wt g) Age <14 mo, female, lipid wt h) Age <14 mo, female, wet wt i) Adults, male, lipid wt j) Adults, male, wet wt k) Adults, female, lipid wt l) Adults, female, wet wt Pectoral muscle, 3.3-7.7% fat. Collected 1978 Finland (SW), archipelago Finland, Turku City BIRDS; JUVENILES; EGGS; FINLAND; ADULTS; NEWBORN; LIVER; MUSCLES; DDT; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Lemmetyinen, R. Rantamaki, P. Karlin, A. 1982 Chemosphere 11(10):1059-1068

DDT, total (No postings in CHEMLINE).
50-29-3
C14-H9-C15
MW 354.50
Seal, harp
PHAGOPHILUS GROENLANDICUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1923 Adipose		GC-EC	a) 11 b) 20	a) 1.681-9.881 ppm b) 1.229-2.984 ppm Wet wt	a) 4.021 ppm b) 1.981 ppm Wet wt	a) Adults, 3/71, age 1-18 yr b) Pups, 3/73, age < 2 wk Blubber Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosewell, K.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192
1924 Brain		GC-EC	10	0.016-0.054 ppm wet wt	0.036 ppm wet wt	Pups, caught 3/73 Age < 2 wk Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosewell, K.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192
1925 Gonads		GC-EC	2	0.038-0.209 ppm wet wt	0.124 ppm wet wt	Pups, caught ?/73 Age <2 wk Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosewell, K.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192
1928 Kidney		GC-EC	11	0.092-2.659 ppm wet wt	0.461 ppm wet wt	Adults, caught 3/71 Age 1-18 yr Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosewell, K.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192
1927 Liver		GC-EC	a) 10 b) 10	a) 0.146-0.821 ppm b) 0.051-0.166 ppm Wet wt	a) 0.372 ppm b) 0.080 ppm Wet wt	a) Adults, 3/71, age 1-18 yr b) Pups, 3/73, age < 2 wk Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosewell, K.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192

(NEXT PAGE)

DDT, total (No postings in CHEMLINE).
50-29-3
C14-H9-C15
MW 354.50
Seal, harp
PHAGOPHILUS GROENLANDICUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1928 Muscle		GC-EC	10	0.128-0.320 ppm wet wt	0.228 ppm wet wt	Adults, caught 7/71 Age 1-18 yr Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosewell, K.J. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192
1929 Spleen		GC-EC	10	0.119-1.409 ppm wet wt	0.339 ppm wet wt	Adults, caught 7/71 Age 1-18 yr Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosewell, K.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192

DDT, total (No postings in CHEMLINE).
50-29-3
C14-H9-C15
MW 354.50
Shad, gizzard
DOROSOMA CEPEDIANUM

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1930 Body		GC-EC	a) 20 b) 104	a) 8-188 ppb wet wt b) Not given	a) 57 ppb wet wt b) 0.32 ppm lipid wt	a) 1977-78, mean length 137 mm b) 1978, 17% fat Juveniles Iowa (C), Des Moines River JUVENILES; IOWA; BODY; BIOACCUMULATION; WATER POLLUTION; FISHES; DDT, DIELDRIN; HEPTACHLOR EPOXIDE; INSECTICIDES	Bulkley, R.V. Leung, S.T. Richard, J.J. 1981 Pesticides Monitoring Journal 15(2):86-89

DDT, total (No postings in CHEMLINE).
50-29-3
C14-H9-C15
MW 354.50
Tern, arctic
STERNA PARADISAEA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1931 Eggs		GC-EC	19	a) Not given b) Not given	a) 8.1 +or- 1.? mg/kg b) 0.9 +or- 0.1 mg/kg	a) Lipid wt b) Wet wt 10.8% fat. Collected 1974-1975 Finland (SW), archipelago, Kustavi parish BIRDS; JUVENILES; EGGS; FINLAND; ADULTS; NEWBORN; LIVER; MUSCLES; DDT; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Lemmetyinen, R. Rantamaki, P. Karlin, A. 1982 Chemosphere 11(10):1059-1068
1932 Liver		GC-EC	9	a) Not given b) Not given	a) 10.5 +or- 2.3 mg/kg b) 1.0 +or- 0.3 mg/kg	a) Lipid wt b) Wet wt 8.1% fat Newly hatched, collected 1969-74 Finland (SW), archipelago BIRDS; JUVENILES; EGGS; FINLAND; ADULTS; NEWBORN; LIVER; MUSCLES; DDT; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Lemmetyinen, R. Rantamaki, P. Karlin, A. 1982 Chemosphere 11(10):1059-1068
1933 Muscle		GC-EC	39	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given	a) 3.0 +or- 0.5 mg/kg b) 0.1 +or- 0.02 mg/kg c) 26.1 +or- 12.8 mg/kg d) 1.3 +or- 0.5 mg/kg e) 31.5 +or- 9.6 mg/kg f) 1.7 +or- 0.5 mg/kg	a) Chicks age 2-3 wk, lipid wt b) Chicks, age 2-3 wk, wet wt c) Adults, male, lipid wt d) Adults, male, wet wt e) Adults, female, lipid wt f) Adults, female, wet wt Pectoral muscle, chicks 4.3% fat, adults 5.9% fat. Collected 1969-74 Finland (SW), archipelago BIRDS; JUVENILES; EGGS; FINLAND; ADULTS; NEWBORN; LIVER; MUSCLES; DDT; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Lemmetyinen, R. Rantamaki, P. Karlin, A. 1982 Chemosphere 11(10):1059-1068

DDT, total (No postings in CHEMLINE).
50-29-3
C14-H9-C15
MW 354.50
Walleye
STIZOSTEDION VITREUM

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1934 Body		GC-EC	a) 11 b) 26	a) 7-138 ppb wet wt b) Not given	a) 76 ppb wet wt b) 5.3 ppm lipid wt	a) 1977-78, mean length 232 mm b) 1978, 2% fat Juveniles Iowa (C), Des Moines River JUVENILES; IOWA; BODY; BIOACCUMULATION; WATER POLLUTION; FISHES; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; INSECTICIDES	Bulkley, R.V. Leung, K.T. Richard, J.J. 1981 Pesticides Monitoring Journal 15(2):86-89

Dibenzo-p-dioxin, 2,3,7,8-tet achloro- (8 CI)
Dibenzo(b,e)(1,4)dioxin, 2,3,7,8-tetrachloro- (9 CI)
1746-01-6
C12-H4-Cl4-O2
MW 322, MP 305 C
Cattle
BOS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1935 Adipose	Ingestion	GC/MS	4	a) 63-86 ppt b) 66-91 ppt c) 71-100 ppt d) 52-108 ppt e) 31-69 ppt f) 17-61 ppt g) 22-37 ppt h) 25-60 ppt i) 15-26 ppt j) Not detected-14 ppt	a) 77 ppt b) 76 ppt c) 90 ppt d) 83 ppt e) 52 ppt f) 46 ppt g) 32 ppt h) 41 ppt i) 20 ppt j) 8 ppt	a) 8 wk b) 2 wk c) 4 wk d) 8 wk e) 12 wk f) 16 wk g) 20 wk h) 24 wk i) 36 wk j) 50 wk Times after discontinuance of 24 ppt for 28 days. Omental fat in a)-d),f),h)-j). Tail head fat in e), g). Calves CATTLE; JUVENILES; MICHIGAN; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; BIOACCUMULATION; CHLORINE ORGANIC COMPOUNDS	Jensen, D.J. Hummel, R.A. Hable, M.N. Kocher, C.W. Higgins, H.S. 1981 Journal of Agricultural and Food Chemistry 29(2):265-268

(NEXT PAGE)

Dibenzo-p-dioxin, 2,3 7,8-tetrachloro- (8 CI)
Dibenzo(b,e)(1,4)dioxin, 2,3,7,8-tetrachloro- (9 CI)
1746-01-6
C12-H4-Cl4-O2
NW 322, MP 305 C
Cattle
BOS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1936 Kidney	Ingestion	GC/MS	a) 3 b) 3	a) Not detected b) 6-8 ppt	a) Not detected b) 7 ppt	a) Controls b) 24 ppt for 28 days Calves CATTLE; JUVENILES; MICHIGAN; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; BIOACCUMULATION; CHLORINE ORGANIC COMPOUNDS	Jensen, D.J. Hummel, R.A. Mahle, N.H. Kocher, C.W. Higgins, H.S. 1981 Journal of Agricultural and Food Chemistry 29(2):265-268
1937 Liver	Ingestion	GC/MS	a) 3 b) 3	a) Not detected b) 7-10 ppt	a) Not detected b) 8 ppt	a) Controls b) 24 ppt for 28 days Calves CATTLE; JUVENILES; MICHIGAN; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; BIOACCUMULATION; CHLORINE ORGANIC COMPOUNDS	Jensen, D.J. Hummel, R.A. Mahle, N.H. Kocher, C.W. Higgins, H.S. 1981 Journal of Agricultural and Food Chemistry 29(2):265-268
1938 Muscle	Ingestion	GC/MS	a) 3 b) 3	a) Not detected b) 2-2 ppt	a) Not detected b) 2 ppt	a) Controls b) 24 ppt for 28 days 2% fat, calves CATTLE; JUVENILES; MICHIGAN; ADIPOSE TISSUE; KIDNEYS; LIVER; MUSCLES; BIOACCUMULATION; CHLORINE ORGANIC COMPOUNDS	Jensen, D.J. Hummel, R.A. Mahle, N.H. Kocher, C.W. Higgins, H.S. 1981 Journal of Agricultural and Food Chemistry 29(2):265-268

Dodecane
112-40-3
C12-H26
MW 170.3, MP -12 C, BP 216.2 C, VP 1 mm Hg at 47.8 C
Duck, mallard
ANAS PLATYRHYNCHOS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1939 Eggs	Ingestion	GC GC/MS	1	a) Not given b) Not given c) Not given d) Not given	a) 0.27 ppm b) 0.18 ppm c) 0.20 ppm d) 0.15 ppm Wet wt	a) Saponification, GC b) Saponification, GC/MS c) Mechanical extraction, GC d) Mechanical extraction, GC/MS Better reproducibility with saponification. Pooled eggs from hen on diet containing 25,000 ppm South Louisiana crude oil for 4 mo BIRDS; EGGS; HYDROCARBONS; MEASUREMENT METHODS; MARYLAND; ADULTS	Belisle, A.A. Gay, M.L. Coon, M.C. 1981 Chemosphere 10(11/12):1197-1203

Eicosane
112-95-8
C20-H42
MW 282.56, MP 36.8 C, BP 343 C
Duck, mallard
ANAS PLATYRHYNCHOS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1940 Eggs	Ingestion	GC GC/MS	1	a) Not given b) Not given c) Not given d) Not given	a) 0.95 ppm b) 0.95 ppm c) 0.87 ppm d) 0.87 ppm Wet wt	a) Saponification, GC b) Saponification, GC/MS c) Mechanical extraction, GC d) Mechanical extraction, GC/MS Better reproducibility with saponification. Pooled eggs from hen on diet containing 25,000 ppm South Louisiana crude oil for 4 mo BIRDS; EGGS; HYDROCARBONS; MEASUREMENT METHODS; MARYLAND; ADULTS	Belisle, A.A. Gay, M.L. Coon, M.C. 1981 Chemosphere 10(11/12):1197-1203

Estr-4-en-3-one, 17-hydroxy-7,17-dimethyl-, (7alpha,17beta)-
3704-09-4
C20-H30-O2
MW 302.5
Chicken
GALLUS DOMESTICUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1941 Adipose	Ingestion	Radiometry	8	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 3.5 ppb b) 1.8 ppb c) 1.0 ppb d) <0.5 ppb e) 9.1 ppb f) 1.4 ppb g) <0.5 ppb	a) 0 days, tissue b) 7 days, tissue c) 14 days, tissue d) 21 days, tissue e) 0 days, tissue f) 7 days, carcass g) Controls, carcass Times after 1.5 ug [C14]Nibolerone/g of feed for 28 days, previously primed with 1.5 ug Nibolerone/g of feed for 21 days White Rock strain chicks, age 2 days BIRDS; JUVENILES; BURSA; MICHIGAN; BIOACCUMULATION; METABOLISM; DRUGS	Dunn, G.H. Krzeminski, L.F. Gosline, R.E. Subacz, C.J. 1979 Journal of Agricultural and Food Chemistry 27(5):1001-1006
1942 Blood, serum	Ingestion	Radiometry	a) 2 b) 2 c) 2 d) 2 e) 2	a) Not given b) Not given c) Not given d) Not given e) Not given	a) 6.9 ppb b) <0.5 ppb c) <0.5 ppb d) <0.5 ppb e) <0.5 ppb	a) 0 days b) 7 days c) 14 days d) 28 days e) Controls Times after 1.5 ug [C14]Nibolerone/g of feed for 28 days, previously primed with 1.5 mg Nibolerone/g of feed for 21 days White Rock strain chicks, age 2 days BIRDS; JUVENILES; BURSA; MICHIGAN; BIOACCUMULATION; METABOLISM; DRUGS	Dunn, G.H. Krzeminski, L.F. Gosline, R.E. Subacz, C.J. 1979 Journal of Agricultural and Food Chemistry 27(5):1001-1006
1943 Bursa	Ingestion	Radiometry	a) 2 b) 2 c) 2 d) 2 e) 2	a) Not given b) Not given c) Not given d) Not given e) Not given	a) 308.3 ppb b) <0.5 ppb c) <0.5 ppb d) <0.5 ppb e) <0.5 ppb	a) 0 days b) 7 days c) 14 days d) 28 days e) Controls Times after 1.5 ug [C14]Nibolerone/g of feed for 28 days, previously primed with 1.5 mg Nibolerone/g of feed for 21 days White Rock strain chicks, age 2 days BIRDS; JUVENILES; BURSA; MICHIGAN; BIOACCUMULATION; METABOLISM; DRUGS	Dunn, G.H. Krzeminski, L.F. Gosline, R.E. Subacz, C.J. 1979 Journal of Agricultural and Food Chemistry 27(5):1001-1006

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Estr-4-en-3-one, 17-hydroxy-7,17-dimethyl-, (7alpha,17beta)-
3704-09-4
C20-H30-O2
MW 302.5
Chicken
GALLUS DOMESTICUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1944 Kidney	Ingestion	Radiometry	a) 2 b) 2 c) 2 d) 2 e) 2	a) Not given b) Not given c) Not given d) Not given e) Not given	a) 4.8 ppb b) <0.5 ppb c) <0.5 ppb d) <0.5 ppb e) <0.5 ppb	a) 0 days b) 7 days c) 14 days d) 28 days e) Controls Times after 1.5 ug [C14]Nibolerone/g of feed for 28 days, previously primed with 1.5 mg Nibolerone/g of feed for 21 days White Rock strain chicks, age 2 days BIRDS; JUVENILES; BURSA; NICHIGAN; BIOACCUMULATION; METABOLISM; DRUGS	Dunn, G.M. Krzeminski, L.F. Gosline, R.E. Subacz, C.J. 1979 Journal of Agricultural and Food Chemistry 27(5):1001-1006
1945 Liver	Ingestion	Radiometry	a) 2 b) 2 c) 2 d) 2 e) 2	a) Not given b) Not given c) Not given d) Not given e) Not given	a) 94.4 ppb b) 2.2 ppb c) 0.6 ppb d) <0.5 ppb e) <0.5 ppb	a) 0 days b) 7 days c) 14 days d) 28 days e) Controls Times after 1.5 ug [C14]Nibolerone/g of feed for 28 days, previously primed with 1.5 mg Nibolerone/g of feed for 21 days White Rock strain chicks, age 2 days BIRDS; JUVENILES; BURSA; NICHIGAN; BIOACCUMULATION; METABOLISM; DRUGS	Dunn, G.M. Krzeminski, L.F. Gosline, R.E. Subacz, C.J. 1979 Journal of Agricultural and Food Chemistry 27(5):1001-1006
1946 Muscle	Ingestion	Radiometry	8	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 3.3 ppb b) <0.5 ppb c) <0.5 ppb d) <0.5 ppb e) <0.5 ppb f) <0.5 ppb g) <0.5 ppb	a) 0 days, leg and thigh b) 7 days, leg and thigh c) 21 days, leg and thigh d) 0 days, breast e) 7 days, breast f) 21 days, breast g) Controls Times after 1.5 ug [C14]Nibolerone/g of feed for 28 days, previously primed with 1.5 ug Nibolerone/g of feed for 21 days White Rock strain chicks, age 2 days BIRDS; JUVENILES; BURSA; NICHIGAN; BIOACCUMULATION; METABOLISM; DRUGS	Dunn, G.M. Krzeminski, L.F. Gosline, R.E. Subacz, C.J. 1979 Journal of Agricultural and Food Chemistry 27(5):1001-1006

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Estr-4-en-3-one, 17-hydroxy-7,17-dimethyl-, (7alpha,17beta)-
3704-89-6
C20-H30-O2
MW 302.5
Chicken
GALLUS DOMESTICUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1967 Skin	Ingestion	Radiometry	a) 2 b) 2 c) 2 d) 2 e) 2	a) Not given b) Not given c) Not given d) Not given e) Not given	a) <0.5 ppb b) <0.5 ppb c) <0.5 ppb d) <0.5 ppb e) <0.5 ppb	a) 0 days b) 7 days c) 14 days d) 28 days e) Controls Times after 1.5 ug [C14]Nibolerone/g of feed for 28 days, previously primed with 1.5 mg Nibolerone/g of feed for 21 days White Rock strain chicks, age 2 days BIRDS; JUVENILES; BURSA; MICHIGAN; BIOACCUMULATION; METABOLISM; DRUGS	Dunn, G.H. Krzeminski, L.P. Gosline, R.E. Subacz, C.J. 1979 Journal of Agricultural and Food Chemistry 27(5):1001-1006

Ethane, 1,1-dichloro-2,2-bis(p-chlorphenyl)- (8 CI)
Benzene, 1,1'-(2,2-dichloroethylidene)bis(4-chloro- (9 CI)
72-54-8
C14-H10-Cl4
MW 350.46, MP 221-222 C
Canvasback
AYTHYA VALISINERIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1968 Body		GC/MS	a) 29 b) 113	a) Not detected b) Not given	a) Not detected b) 0.11 +or- 0.00 ppm Wet wt	a) 1973, skinned b) 1975, plucked (5 with residue) GI tracts, feet, and beaks removed Maryland, Chesapeake Bay BIRDS; MARYLAND; BODY; BONES; KIDNEYS; LIVER; CADMIUM; CHLORINE ORGANIC COMPOUNDS; CHROMIUM; COPPER; DDD; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; LEAD; MERCURY; POLYCHLORINATED BIPHENYLS; ZINC; BIOACCUMULATION; PESTICIDE RESIDUES	White, D.H. Stendell, R.C. Hulhern, B.M. 1979 Wilson Bulletin 91(2):279-287

Ethane, 1,1-dichloro-2,2-bis(p-chlorphenyl)- (8 CI)
Benzene, 1,1'-(2,2-dichloroethylidene)bis(4-chloro- (9 CI)
72-54-8
C14-H10-C14
MW 350.46, MP 221-222 C
Carp
CYPRINUS CARPIO

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1949 Muscle				a) Not detected b) Not given c) Not given d) Not given e) Not given f) Not given	a) Not detected b) 0.60 ppm c) 0.059 ppm d) 0.073 ppm e) 0.036 ppm f) 0.061 ppm	a) Raw b) Deep-fat fried c) Poached d) Charbroiled e) Cooked by microwave f) Roasted Edible fillets, mean water content 69%, mean fat content 7.7% Wt 3-8.9 kg Michigan, Lake Huron, Saginaw Bay MICHIGAN; MUSCLES; BIOACCUMULATION; FISHES; FOOD CONTAMINATION; DDD; DDE; POLYCHLORINATED BIPHENYLS	Zabik, M.E. Merrill, C. Zabik, M.J. 1982 Bulletin of Environmental Contamination and Toxicology 28:710-715

Ethane, 1,1-dichloro-2,2-bis(p-chlorphenyl)- (8 CI)
Benzene, 1,1'-(2,2-dichloroethylidene)bis(4-chloro- (9 CI)
72-54-8
C14-H10-C14
MW 350.46, MP 221-222 C
Heron, great blue
ARDEA HERODIAS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1950 Brain		GC-EC	1	Not applicable	21 ppm wet wt	Moribund adult, 1976 North Carolina, Hyde County, Mattamuskeet NWR BIRDS; FLORIDA; ILLINOIS; MINNESOTA; NEBRASKA; NEVADA; NORTH CAROLINA; VIRGINIA; WISCONSIN; ADULTS; BRAIN; BIOACCUMULATION; PESTICIDE RESIDUES; CHLORINE ORGANIC COMPOUNDS; DDD; DDE; DDT; DIELDRIN; POLYCHLORINATED BIPHENYLS	Ohlendorf, H.M. Swineford, D.M. Locke, L.N. 1979 Proceedings, 1979 Conference of the Colonial Waterbird Group, W.H. Southern (Comp.), pp. 176-85

Ethane, 1,1-dichloro-2,2-bis(p-chlorphenyl)- (8 CI)
Benzene, 1,1'-(2,2-dichloroethylidene)bis(4-chloro- (9 CI)
72-54-8
C14-H10-C14
MW 350.46, MP 221-222 C
Pelican, brown
PELECANUS OCCIDENTALIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1951 Eggs		GC-EC	a) 3 b) 12 c) 21 d) 25 e) 30 f) 25	a) 0.18-0.40 ug/g b) 0.17-0.52 ug/g c) Not detected-0 . ug/g d) Not detected-0.86 ug/g e) 0.48-1.59 ug/g f) 0.21-1.80 ug/g Wet wt	a) 0.28 ug/g b) 0.26 ug/g c) 0.19 ug/g d) 0.41 ug/g e) 0.76 ug/g f) 0.36 ug/g Wet wt Geometric means	a) 1971 b) 1972 c) 1973 d) 1974 e) 1975 f) 1976 Shell thickness means 6.7-13.5% less than pre-1947 Viable and addled eggs from birds transplanted from Florida to Louisiana 1968-76 Louisiana, Barataria Bay BIRDS; EGGS; LOUISIANA; DDD; DDE; DDT; DIELDRIN; CHLORINE ORGANIC COMPOUNDS; HEPTACHLOR EPOXIDE; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Blus, L. Cromartie, E. McNease, L. Joanen, T. 1979 Bulletin of Environmental Contamination and Toxicology 22:128-135

Ethane, 1,1-dichloro-2,2-bis(p-chlorphenyl)- (8 CI)
Benzene, 1,1'-(2,2-dichloroethylidene)bis(4-chloro- (9 CI)
72-54-8
C14-H10-C14
MW 350.46, MP 221-222 C
Seal, harp
PHAGOPHILUS GROENLANDICUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1952 Adipose		GC-EC	a) 11 b) 20	a) 0.287-0.770 ppm b) 0.053-0.404 ppm Wet wt	a) 0.519 ppm b) 0.123 ppm Wet wt	a) Adults, 3/71, age 1-18 yr b) Pups, 3/73, age <2 wk Blubber Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosewell, K.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192

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Ethane, 1,1-dichloro-2,2-bis(p-chlorphenyl)- (8 CI)
Benzene, 1,1'-(2,2-dichloroethylidene)bis(4-chloro- (9 CI)
72-54-8
C14-H10-C14
MW 350.46, MP 221-222 C
Seal, harp
PHAGOPHILUS GROENLANDICUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1953 Brain		GC-EC	10	0.002-0.006 ppm wet wt	0.003 ppm wet wt	Pups, caught 3/73 Age <2 wk Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosevell, K.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192
1954 Gonads		GC-EC	2	0.003-0.014 ppm wet wt	0.009 ppm wet wt	Pups, caught 3/73 Age <2 wk Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosevell, K.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192
1955 Kidney		GC-EC	11	0.016-0.194 ppm wet wt	0.052 ppm wet wt	Adults, caught 3/71 Age 1-18 yr Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosevell, K.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192
1956 Liver		GC-EC	a) 10 b) 10	a) 0.030-0.215 ppm b) 0.004-0.008 ppm Wet wt	a) 0.099 ppm b) 0.006 ppm Wet wt	a) Adults, 3/71, age 1-18 yr b) Pups, 3/73, age < 2 wk Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosevell, K.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192
1957 Muscle		GC-EC	10	0.017-0.087 ppm wet wt	0.041 ppm wet wt	Adults, caught 3/71 Age 1-18 yr Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosevell, K.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192

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Ethane, 1,1-dichloro-2,2-bis(p-chlorphenyl)- (8 CI)
Benzene, 1,1'-(2,2-dichloroethylidene)bis(4-chloro- (9 CI)
72-54-8
C14-H10-Cl4
MW 350.46, MP 221-222 C
Seal, harp
PHAGOPHILUS GROENLANDICUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1950 Spleen		GC-EC	10	0.016-0.292 ppm wet wt	0.079 ppm wet wt	Adults, caught 3/71 Age 1-18 yr Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosewell, K.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192

Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)
50-29-3
C14-H9-Cl5
MW 354.50, MP 108.5-109 C, BP 260 C, VP 1.5X10(E-7) mm Hg at 20 C
Bat, gray
MYOTIS GRISESCENS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1959 Body		GC	a) 8 b) 8	a) Not detected-9.1 ppm b) Not detected-19 ppm Lipid wt	a) 0.41 ppm b) 2.2 ppm Lipid wt Geometric means	a) 1976, juveniles, mean fat content 6.4% b) 1977, juveniles and adults, mean fat content 3.9% Found dead beneath maternity roost in cave Missouri, Franklin County BATS; JUVENILES; MISSOURI; ADULTS; BODY; BRAIN; BIOACCUMULATION; PESTICIDE RESIDUES; CHLORINE ORGANIC COMPOUNDS; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; NONACHLOR; POLYCHLORINATED BIPHENYLS	Clark, D.R., Jr. LaVal, R.K. Krynitsky, A.J. 1988 Pesticides Monitoring Journal 13(4):137-140

Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)
50-29-3
C14-H9-C15
MW 354.50, MP 108.5-109 C, BP 260 C, VP 1.5X10(E-7) mm Hg at 20 C
Canvasback
AYTHYA VALISINERIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1960 Body		GC/MS	a) 29 b) 113	a) Not detected b) Not given	a) Not detected b) 0.18 +or- 0.01 ppm Wet wt	a) 1973, skinned b) 1975, plucked (7 with residue) GI tracts, feet, and beaks removed Maryland, Chesapeake Bay BIRDS; MARYLAND; BODY; BONES; KIDNEYS; LIVER; CADMIUM; CHLORINE ORGANIC COMPOUNDS; CHROMIUM; COPPER; DDD; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; LEAD; MERCURY; POLYCHLORINATED BIPHENYLS; ZINC; BIOACCUMULATION; PESTICIDE RESIDUES	White, D.H. Stendell, R.C. Hulhern, B.N. 1979 Wilson Bulletin 91(2):279-287

Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)
50-29-3
C14-H9-C15
MW 354.50, MP 108.5-109 C, BP 260 C, VP 1.5X10(E-7) mm Hg at 20 C
Carp
CYPRINUS CARPIO

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1961 Muscle		GC-EC	a) 40 b) 78 c) 62 d) 31	a) Not given b) Not given c) Not given d) Not given	a) 0.003 +or- 0.012 ppm b) 0.004 +or- 0.014 ppm c) 0.011 +or- 0.034 ppm d) 0.003 +or- 0.009 ppm	a) <2 kg (2.5% fat) b) 2-4 kg (6.8% fat) c) 4-5.5 kg (7.5% fat) d) >5.5 kg (9% fat) Predictability of levels is related to weight, length, percentage fat, sex, and season Commercially caught fish, 1979-80 Michigan, Lake Huron, Saginaw Bay MICHIGAN; MUSCLES; DDE; DDT; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION; FISHES; WATER POLLUTION	Kabik, H.H. Herrill, C. Kabik, M.J. 1982 Bulletin of Environmental Contamination and Toxicology 28:592-598

Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro (9 CI)
50-29-3
C14-H9-Cl5
MW 354.50, MP 108.5-109 C, BP 260 C, VP 1.5X10(E-7) mm Hg at 20 C
Croaker, white
GENYONEMUS LINEATUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1962 Muscle		GC-EC	60	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given	a) 0.57 +or- 0.20 mg/kg b) 0.46 +or- 0.12 mg/kg c) 0.15 +or- 0.04 mg/kg d) 0.14 +or- 0.04 mg/kg e) 0.23 +or- 0.05 mg/kg f) 0.085 +or- 0.022 mg/kg Wet wt	a) Uncooked b) Pan fried c) Pan fried, adjusted to 78% wt loss during frying d) Uncooked e) Pan fried f) Pan fried, adjusted to 39% wt loss during frying Collected 5-6/81 in Santa Monica Bay a)-c), and Orange County, Abalone Point d)-f). Composite fillet samples. Fish wt 9-38 g, length 10-12 cm California (S) MUSCLES; CALIFORNIA; BIOACCUMULATION; FISH; WATER POLLUTION; DDT; POLYCHLORINATED BIPHENYLS	Puffer, H.W. Gossett, R.W. 1983 Bulletin of Environmental Contamination and Toxicology 30:65-71

Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)
50-29-3
C14-H9-Cl5
MW 354.50, MP 108.5-109 C, BP 260 C, VP 1.5X10(E-7) mm Hg at 20 C
Fulmar, southern
FULMARUS GLACIALOIDES

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1963 Adipose			3	Not given	0.07 ug/g wet wt	Collected 2/77 and 1/79 Antarctica, Vestfjella (C), Dronning Maud Land Antarctica, Bouvetoya BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Sonne, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240

Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)
50-29-3
C14-H9-Cl5
MW 354.50, MP 108.5-109 C, BP 260 C, VP 1.5X10(E-7) mm Hg at 20 C
Heron, black-winged night
NYCTICORAX NYCTICORAX

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1964 Brain		GC-EC	1	Not applicable	1.1 ppm wet wt	Moribund adult, 1976 Nevada, Elko County, Ruby Lake NWR BIRDS; FLORIDA; ILLINOIS; MINNESOTA; NEBRASKA; NEVADA; NORTH CAROLINA; VIRGINIA; WISCONSIN; ADULTS; BRAIN; BIOACCUMULATION; PESTICIDE RESIDUES; CHLORINE ORGANIC COMPOUNDS; DDD; DDE; DDT; DIELDRIN; POLYCHLORINATED BIPHENYLS	Ohlendorf, H.M. Swineford, D.M. Locke, L.N. 1979 Proceedings, 1979 Conference of the Colonial Waterbird Group, N.E. Southern (Comp.), pp. 176-85

Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)
50-29-3
C14-H9-Cl5
MW 354.50, MP 108.5-109 C, BP 260 C, VP 1.5X10(E-7) mm Hg at 20 C
Heron, great blue
ARDEA HERODIAS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1965 Brain		GC-EC	1	Not applicable	20 ppm wet wt	Moribund adult, 1976 North Carolina, Hyde County, Mattamuskeet NWR BIRDS; FLORIDA; ILLINOIS; MINNESOTA; NEBRASKA; NEVADA; NORTH CAROLINA; VIRGINIA; WISCONSIN; ADULTS; BRAIN; BIOACCUMULATION; PESTICIDE RESIDUES; CHLORINE ORGANIC COMPOUNDS; DDD; DDE; DDT; DIELDRIN; POLYCHLORINATED BIPHENYLS	Ohlendorf, H.M. Swineford, D.M. Locke, L.N. 1979 Proceedings, 1979 Conference of the Colonial Waterbird Group, N.E. Southern (Comp.), pp. 176-85

Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)
50-29-3
C14-H9-C15
MW 354.50, MP 108.5-109 C, BP 260 C, VP 1.5X10(E-7) mm Hg at 20 C
Pelican, brown
PELECANUS OCCIDENTALIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1966 Eggs		GC-EC	a) 3 b) 12 c) 21 d) 25 e) 30 f) 25	a) Not detected-0.14 ug/g b) Not detected-0.32 ug/g c) 0.12-0.20 ug/g d) Not detected-0.20 ug/g e) Not detected-0.41 ug/g f) Not detected-0.10 ug/g Wet wt	a) 0.10 ug/g b) 0.15 ug/g c) 0.16 ug/g d) Not given e) Not given f) Not given Wet wt Geometric means	a) 1971 b) 1972 c) 1973 d) 1974 e) 1975 f) 1976 Shell thickness means 6.7-13.5% less than pre-1947 Viable and addled eggs from birds transplanted from Florida to Louisiana 1968-76 Louisiana, Barataria Bay BIRDS; EGGS; LOUISIANA; DDD; DDE; DDT; DIELDRIN; CHLORINE ORGANIC COMPOUNDS; HEPTACHLOR EPOXIDE; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Blus, L. Cromartie, E. McNease, L. Joanen, T. 1979 Bulletin of Environmental Contamination and Toxicology 22:128-135

Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)
50-29-3
C14-H9-C15
MW 354.50, MP 108.5-109 C, BP 260 C, VP 1.5X10(E-7) mm Hg at 20 C
Penguin, macaroni
EUDYPTES CHRYSOLOPHUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1967 Adipose		AAS	6	Not given	0.03 ug/g wet wt	Collected 2/77 and 1/79 Antarctica, Vestfjella (C), Dronning Maud Land Antarctica, Bouvetoya BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Sonne, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240

Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)
50-29-3
C14-H9-Cl5
MW 350.50, MP 108.5-109 C, BP 260 C, VP 1.5X10(E-7) mm Hg at 20 C
Pigeon, cape
DAPTION CAPENSE

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1968 Adipose		AAS	2	Not given	0.09 ug/g wet wt	Collected 2/77 and 1/79 Antarctica, Vestfjella (C), Dronning Maud Land Antarctica, Bouvetoya BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Sonne, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240

Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)
50-29-3
C14-H9-Cl5
MW 350.50, MP 108.5-109 C, BP 260 C, VP 1.5X10(E-7) mm Hg at 20 C
Seal, harp
PHAGOPHILUS GROENLANDICUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1969 Adipose		GC-EC	a) 11 b) 20	a) 0.731-8.530 ppm b) 0.460-1.180 ppm Wet wt	a) 3.869 ppm b) 0.67 ppm Wet wt	a) Adults, 3/71, age 1-10 yr b) Pups, 3/73, age < 2 wk Blubber Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosevell, K.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192
1970 Brain		GC-EC	10	0.007-0.034 ppm wet wt	0.021 ppm wet wt	Pups, caught 3/73 Age <2 wk Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosevell, K.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192

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Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)
50-29-3
C14-H9-C15
MW 354.50, MP 108.5-109 C, BP 260 C, VP 1.5X10(E-7) mm Hg at 20 C
Seal, harp
PHAGOPHILUS GROENLANDICUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1971 Gonads		GC-EC	2	0.023-0.079 ppm wet wt	0.051 ppm wet wt	Pups, caught 3/71 Age <2 wk Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosewell, K.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192
1972 Kidney		GC-EC	11	0.039-2.197 ppm wet wt	0.314 ppm wet wt	Adults, caught 3/71 Age 1-18 yr Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosewell, K.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192
1973 Liver		GC-EC	a) 10 b) 10	a) 0.036-0.455 ppm b) 0.021-0.041 ppm Wet wt	a) 0.183 ppm b) 0.030 ppm Wet wt	a) Adults, 3/71, age 1-18 yr b) Pups, 3/71, age < 2 wk Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosewell, K.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192
1974 Muscle		GC-EC	10	0.063-0.200 ppm wet wt	0.105 ppm wet wt	Adults, caught 3/71 Age 1-18 yr Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosewell, K.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192
1975 Spleen		GC-EC	10	0.047-0.156 ppm wet wt	0.162 ppm wet wt	Adults, caught 3/71 Age 1-18 yr Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosewell, K.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192

Ethylene, tetrachloro- (8 CI)
Ethene, tetrachloro- (9 CI)
127-18-4
C2-C10
MW 165.85, BP 121 C
Cod

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1976 Body		GC-EC		Not given	65 ug/kg lipid wt	Pooled samples of 3-5 fish, 10 fat. Collected 7/80 in industrially polluted waters Norway, Kristiansand MEASUREMENT METHODS; NORWAY; BROMINATED HYDROCARBONS; CHLORINE ORGANIC COMPOUNDS; BIOACCUMULATION; WATER POLLUTION; FISHES	Ofstad, E.B. Drangsholt, H. Carlberg, G.E. 1981 Science of the Total Environment 20:205-215

Ethylene, tetrachloro- (8 CI)
Ethene, tetrachloro- (9 CI)
127-18-4
C2-C10
MW 165.85, BP 121 C
Eel

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1977 Body		GC-EC		a) Not given b) Not given	a) 190 ug/kg b) 170 ug/kg Lipid wt	a) 15% fat b) 19% fat. Pooled samples of 3-5 fish collected 8/80 in waters polluted by pulp and paper industry Norway, Iddefjord MEASUREMENT METHODS; NORWAY; BROMINATED HYDROCARBONS; CHLORINE ORGANIC COMPOUNDS; BIOACCUMULATION; WATER POLLUTION; FISHES	Ofstad, E.B. Drangsholt, H. Carlberg, G.E. 1981 Science of the Total Environment 20:205-215

Ethylene, tetrachloro- (8 CI)
Ethene, tetrachloro- (9 CI)
127-18-4
C2-C16
MW 165.85, BP 121 C
Herring, freshwater

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1978 Body		GC-EC		Not given	10 ug/kg lipid wt	Pooled samples of 3-5 fish, 1% fat. Collected in waters polluted by industry, agriculture, and landfill Norway, Lake Tyrifjord MEASUREMENT METHODS: NORWAY; BROMINATED HYDROCARBONS; CHLORINE ORGANIC COMPOUNDS; BIOACCUMULATION; WATER POLLUTION; FISHES	Ofstad, E.B. Drangsholt, H. Carlberg, G.E. 1981 Science of the Total Environment 20:205-215

Ethylene, tetrachloro- (8 CI)
Ethene, tetrachloro- (9 CI)
127-18-4
C2-C16
MW 165.85, BP 121 C
Perch

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1979 Body		GC-EC		Not given	75 ug/kg lipid wt	Pooled samples of 3-5 fish, 2% fat. Collected 9/80 in waters polluted by pulp and paper industry Norway, Lake Mjosa MEASUREMENT METHODS: NORWAY; BROMINATED HYDROCARBONS; CHLORINE ORGANIC COMPOUNDS; BIOACCUMULATION; WATER POLLUTION; FISHES	Ofstad, E.B. Drangsholt, H. Carlberg, G.E. 1981 Science of the Total Environment 20:205-215

Ethylene, tetrachloro- (8 Cl)
Ethene, tetrachloro- (9 Cl)
127-18-4
C2-Cl4
MW 165.85, BP 121 C
Rosch

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1980 Body		GC-EC		Not given	25 ug/kg lipid wt	Pooled samples of 3-9 fish, 6% fat. Collected 9/80 in waters polluted by pulp and paper industry Norway, Lake Mjosa MEASUREMENT METHODS; NORWAY; BROMINATED HYDROCARBONS; CHLORINE ORGANIC COMPOUNDS; BIOACCUMULATION; WATER POLLUTION; FISHES	Ofstad, E.B. Drangsholt, H. Carlberg, G.E. 1981 Science of the Total Environment 20:205-215

Ethylene, tetrachloro- (8 Cl)
Ethene, tetrachloro- (9 Cl)
127-18-4
C2-Cl4
MW 165.85, BP 121 C
Sprat

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1981 Body		GC-EC		a) Not given b) Not given	a) 2400 ug/kg b) 140 ug/kg Lipid wt	a) 5/75, 8% fat b) 7/75, 12% fat. Pooled samples of 3-9 fish collected in waters heavily polluted by chemical industry Norway, Frierfjord MEASUREMENT METHODS; NORWAY; BROMINATED HYDROCARBONS; CHLORINE ORGANIC COMPOUNDS; BIOACCUMULATION; WATER POLLUTION; FISHES	Ofstad, E.B. Drangsholt, H. Carlberg, G.E. 1981 Science of the Total Environment 20:205-215

Ethylene, tetrachloro- (8 Cl)
Ethene, tetrachloro- (9 Cl)
127-18-4
C2-Cl4
MW 165.85, BP 121 C
Trout

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1982 Muscle		GC-EC		Not given	15 ug/kg lipid wt	Pooled samples of 3-5 fish, 6% fat. Collected 10/80 in waters polluted by industry, agriculture, and landfill Norway, Lake Tyrifjord MEASUREMENT METHODS: NORWAY; BROMINATED HYDROCARBONS; CHLORINE ORGANIC COMPOUNDS; BIOACCUMULATION; WATER POLLUTION; FISHES	Ofstad, E.B. Brungeholt, H. Carlberg, G.E. 1981 Science of the Total Environment 20:205-215

Ethylene, tetrachloro- (8 Cl)
Ethene, tetrachloro- (9 Cl)
127-18-4
C2-Cl4
MW 165.85, BP 121 C
Whiting

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1983 Body		GC-EC		a) Not given b) Not given	a) 220 ug/kg b) 120 ug/kg Lipid wt	Two samples pooled from 3-5 fish, 3% fat. Collected 8/80 in waters polluted by pulp and paper industry Norway, Iddefjord MEASUREMENT METHODS: NORWAY; BROMINATED HYDROCARBONS; CHLORINE ORGANIC COMPOUNDS; BIOACCUMULATION; WATER POLLUTION; FISHES	Ofstad, E.B. Brungeholt, H. Carlberg, G.E. 1981 Science of the Total Environment 20:205-215

Ethylene, trichloro- (8 CI)
Ethene, trichloro- (9 CI)
79-01-6
C2-H-Cl3
MW 131.40, MP 73 C, BP 87.1 C, VP 100 mm Hg at 32 C
Cod

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1984 Body		GC-EC		Not given	60 ug/kg lipid wt	Pooled samples of 3-5 fish, 1% fat. Collected 7/80 in industrially polluted waters Norway, Kristiansand MEASUREMENT METHODS; NORWAY; BROMINATED HYDROCARBONS; CHLORINE ORGANIC COMPOUNDS; BIOACCUMULATION; WATER POLLUTION; FISHES	Ofstad, E.B. Brevegholt, H. Carlberg, G.E. 1981 Science of the Total Environment 20:205-215
1985 Liver		GC-EC		a) Not given b) Not given	a) 250 ug/kg b) 600 ug/kg Lipid wt	a) 26% fat b) 24% fat. Pooled samples of 3-5 fish collected 7/81 in waters heavily polluted by chemical industry Norway, Frierfjord MEASUREMENT METHODS; NORWAY; BROMINATED HYDROCARBONS; CHLORINE ORGANIC COMPOUNDS; BIOACCUMULATION; WATER POLLUTION; FISHES	Ofstad, E.B. Brevegholt, H. Carlberg, G.E. 1981 Science of the Total Environment 20:205-215

Ethylene, trichloro- (8 CI)
Ethene, trichloro- (9 CI)
79-01-6
C2-H-Cl3
MW 131.40, MP 73 C, BP 87.1 C, VP 100 mm Hg at 32 C
Eel

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1984 Body		GC-EC		a) Not given b) Not given	a) 150 ug/kg b) 130 ug/kg Lipid wt	a) 15% fat b) 19% fat. Pooled samples of 3-5 fish collected 8/80 in waters polluted by pulp and paper industry Norway, Iddefjord MEASUREMENT METHODS; NORWAY; BROMINATED HYDROCARBONS; CHLORINE ORGANIC COMPOUNDS; BIOACCUMULATION; WATER POLLUTION; FISHES	Ofstad, E.B. Brevegholt, H. Carlberg, G.E. 1981 Science of the Total Environment 20:205-215

Ethylene, trichloro- (8 CI)
Ethene, trichloro- (9 CI)
79-01-6
C2-H-Cl3
MW 131.40, MP 73 C, BP 87.1 C, VP 100 mm Hg at 32 C
Perch

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1987 Body		GC-EC		Not given	30 ug/kg lipid wt	Pooled samples of 3-5 fish, 26 fat. Collected 9/80 in waters polluted by pulp and paper industry Norway, Lake Hjora MEASUREMENT METHODS; NORWAY; BROMINATED HYDROCARBONS; CHLORINE ORGANIC COMPOUNDS; BIOACCUMULATION; WATER POLLUTION; FISHES	Ofstad, E.B Drangsholt, H. Carlberg, G.E. 1981 Science of the Total Environment 20:205-215

Ethylene, trichloro- (8 CI)
Ethene, trichloro- (9 CI)
79-01-6
C2-H-Cl3
MW 131.40, MP 73 C, BP 87.1 C, VP 100 mm Hg at 32 C
Roach

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1980 Body		GC-EC		Not given	30 ug/kg lipid wt	Pooled samples of 3-5 fish, 6% fat. Collected 9/80 in waters polluted by pulp and paper industry Norway, Lake Hjora MEASUREMENT METHODS; NORWAY; BROMINATED HYDROCARBONS; CHLORINE ORGANIC COMPOUNDS; BIOACCUMULATION; WATER POLLUTION; FISHES	Ofstad, E.B. Drangsholt, H. Carlberg, G.E. 1981 Science of the Total Environment 20:205-215

Ethylene, trichlo- (8 CI)
Ethene, trichloro- (9 CI)
79-01-6
C2-H-Cl3
MW 131.40, MP 73 C, BP 87.1 C, VP 100 mm Hg at 32 C
Salmon

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1989 Muscle		GC-EC		Not given	5 ug/kg lipid wt	Pooled samples of 3-5 fish, 17% fat. Commercial fish, caught 11/80 Norway MEASUREMENT METHODS; NORWAY; BROMINATED HYDROCARBONS; CHLORINE ORGANIC COMPOUNDS; BIOACCUMULATION; WATER POLLUTION; FISHES	Ofstad, E.B. Drangsholt, H. Carlberg, G.E. 1981 Science of the Total Environment 20:205-215

Ethylene, trichloro- (8 CI)
Ethene, trichloro- (9 CI)
79-01-6
C2-H-Cl3
MW 131.40, MP 73 C, BP 87.1 C, VP 100 mm Hg at 32 C
Sprat

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1990 Body		GC-EC		a) Not given b) Not given	a) 210 ug/kg b) 75 ug/kg Lipid wt	a) 5/75, 8% fat b) 7/75 12% fat. Pooled samples of 3-5 fish collected in waters heavily polluted by chemical industry Norway, Frierfjord MEASUREMENT METHODS; NORWAY; BROMINATED HYDROCARBONS; CHLORINE ORGANIC COMPOUNDS; BIOACCUMULATION; WATER POLLUTION; FISHES	Ofstad, E.B. Drangsholt, H. Carlberg, G.E. 1981 Science of the Total Environment 20:205-215

Ethylene, trichloro- (8 CI)
Ethene, trichloro- (9 CI)
79-01-6
C2-H-Cl3
MW 131.40, MP 73 C, BP 87.1 C, VP 100 mm Hg at 32 C
Trout

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1981 Muscle		GC-EC		Not given	15 ug/kg lipid wt	Pooled samples of 3-5 fish, 4% fat. Collected in waters polluted by industry, agriculture and landfill Norway, Lake Tyrifjord MEASUREMENT METHODS; NORWAY; BROMINATED HYDROCARBONS; CHLORINE ORGANIC COMPOUNDS; BIOACCUMULATION; WATER POLLUTION; FISHES	Ofstad, E.B. Brungeholt, H. Carlberg, G.E. 1981 Science of the Total Environment 20:205-219

Ethylene, trichloro- (8 CI)
Ethene, trichloro- (9 CI)
79-01-6
C2-H-Cl3
MW 131.40, MP 73 C, BP 87.1 C, VP 100 mm Hg at 32 C
Whiting

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1982 Body		GC-EC		a) Not given b) Not given	a) 50 ug/kg b) 30 ug/kg Lipid wt	Two samples pooled from 3-5 fish 3% fat. Collected 8/80 in waters polluted by pulp and paper industry Norway, Iddefjord MEASUREMENT METHODS; NORWAY; BROMINATED HYDROCARBONS; CHLORINE ORGANIC COMPOUNDS; BIOACCUMULATION; WATER POLLUTION; FISHES	Ofstad, E.B. Brungeholt, H. Carlberg, G.E. 1981 Science of the Total Environment 20:205-219

Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-Cl4
MW 318.02, MP 88.6 C
Rat, gray
MYOTIS GRISESCENS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1993 Body		GC	a) 8 b) 8	a) 13-80 ppm b) 6.6-169 ppm Lipid wt	a) 38 ppm b) 46 ppm Lipid wt Geometric means	a) 1976, juveniles, mean fat content 6.6% b) 1977, juveniles and adults, mean fat content 3.9% Found dead beneath maternity roost in cave Missouri, Franklin County BATS; JUVENILES; MISSOURI; ADULTS; BODY; BRAIN; BIOACCUMULATION; PESTICIDE RESIDUES; CHLORINE ORGANIC COMPOUNDS; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; NONACHLOR; POLYCHLORINATED BIPHENYLS	Clark, D.R., Jr. LaVal, R.K. Krynitsky, A.J. 1980 Pesticides Monitoring Journal 13(4):137-140
1994 Brain		GC	a) 8 b) 8	a) Not detected-4.9 ppm b) Not detected-1.7 ppm Wet wt	a) Not given b) Not given	a) 1976, juveniles, 6 with residue b) 1977, juveniles and adults, 2 with residue Found dead beneath maternity roost in cave Missouri, Franklin County BATS; JUVENILES; MISSOURI; ADULTS; BODY; BRAIN; BIOACCUMULATION; PESTICIDE RESIDUES; CHLORINE ORGANIC COMPOUNDS; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; NONACHLOR; POLYCHLORINATED BIPHENYLS	Clark, D.R., Jr. LaVal, R.K. Krynitsky, A.J. 1980 Pesticides Monitoring Journal 13(4):137-140

Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 C
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-Cl4
MW 318.02, MP 88.4 C
Canvasback
AYTHYA VALISINERIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1995 Body		GC/MS	a) 29 b) 3	a) Not given b) Not given	a) 0.36 +or- 0.03 ppm b) 0.56 +or- 0.06 ppm Wet wt	a) 1973, skinned (26 with residue) b) 1975, plucked (112 with residue) GI tracts, feet, and beaks removed Maryland, Chesapeake Bay BIRDS; MARYLAND; BODY; BONES; KIDNEYS; LIVER; CADMIUM; CHLORINE ORGANIC COMPOUNDS; CHROMIUM; COPPER; DDD; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; LEAD; MERCURY; POLYCHLORINATED BIPHENYLS; ZINC; BIOACCUMULATION; PESTICIDE RESIDUES	White, D.H. Stendell, R.C. Hulbert, E.M. 1979 Wilson Bulletin 91(2);279-287

Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-Cl4
MW 318.02, MP 88.4 C
Carp
CYPRINUS CARPIO

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1996 Muscle				a) 0.041-0.083 ppm b) Not given c) Not given d) Not given e) Not given f) Not given	a) 0.067 +or- 0.030 ppm b) 0.151 ppm c) 0.130 ppm d) 0.179 ppm e) 0.071 ppm f) 0.096 ppm	a) Raw b) Deep-fat fried c) Poached d) Charbroiled e) Cooked by microwave f) Roasted Edible fillets, moisture content 69%, mean fat content 7.1% Wt 3-6.9 kg Lake Michigan, Lake Huron, Saginaw Bay MICHIGAN; MUSCLES; BIOACCUMULATION; FISHES; FOOD CONTAMINATION; DDD; DDE; POLYCHLORINATED BIPHENYLS	Zabik, M.E. Merrill, C. Zabik, M.J. 1981 Bulletin of Environmental Contamination and Toxicology 26;710-715

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Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-Cl4
MW 318.02, MP 89 & C
Carp
CYPRINUS CARPIO

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1987 Muscle		GC-EC	a) 48 b) 78 c) 62 d) 31	a) Not given b) Not given c) Not given d) Not given	a) 0.016 +or- 0.010 ppm b) 0.053 +or- 0.066 ppm c) 0.063 +or- 0.060 ppm d) 0.080 +or- 0.060 ppm	a) <2 kg (2.9% fat) b) 2-4 kg (4.6% fat) c) 4-5.5 kg (7.5% fat) d) >5.5 kg (9% fat) Predictability of levels is related to weight, length, percentage fat, sex, and season Commercially caught fish, 1979-80 Michigan, Lake Huron, Saginaw Bay MICHIGAN; MUSCLES; DDE; DDT; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION; FISHES; WATER POLLUTION	Sahib, H.B. Merrill, C. Sahib, M.J. 1982 Bulletin of Environmental Contamination and Toxicology 28:592-599

Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-Cl4
MW 318.02, MP 88.4 C
Dove, ring
STREPTOPELIA RISORIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1990 Brain	Ingestion	GC-EC	a) 10 b) 6 c) 6 d) 6	a) Not detected b) Not given c) Not given d) Not given	a) Not applicable b) 0.49 +or- 0.05 ppm c) 2.30 +or- 0.30 ppm d) 20.24 +or- 3.70 ppm Wet wt	a) Controls b) 2 ppm c) 20 ppm d) 200 ppm Dietary levels for 8 wk Healthy adults Decreased food consumption at 20 and 200 ppm Highly significant decrease of dopamine and norepinephrine levels with increasing DDE levels. Liver weight increase at 20 and 200 ppm. Depressed hematocrit and plasma Na, increased plasma aspartate aminotransferase activity at 200 ppm BIRDS; MARYLAND; ADULTS; BRAIN; DDE; DIELDRIN; BIOACCUMULATION	Heinz, G.H. Hill, E.F. Contreas, J.P. 1990 Toxicology and Applied Pharmacology 51:75-82

Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (9 Cl)
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 Cl)
72-55-9
C14-H8-Cl4
MW 318.02, MP 88.6 C
Palmer, southern
PYGOSCELIS GLACIALOIDES

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
1999 Adipose		AAS	3	Not given	0.36 +or- 0.22 ug/g wet wt	Collected 2/77 and 1/79 Antarctica, Vestfjella (C), Dronning Maud Land Antarctica, Bouvetoya BIRDS; ANTARCTICA; BIOACCUMULATION; DDE; DDT; MERCURY; HEXACHLOROBENZENE; POLYCHLORINATED BIPHENYLS; ADIPOSE TISSUE; LIVER	Norheim, G. Sonne, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240
2000 Liver		AAS	6	Not given	0.011 +or- 0.007 ug/g wet wt	Collected 2/77 and 1/79 Antarctica, Vestfjella (C), Dronning Maud Land Antarctica, Bouvetoya BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Sonne, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240

Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-Cl4
MW 318.02, MP 88.4 C
Gallinule, common
GALLINULA CHLOROPUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2001 Eggs		GC-EC	a) 15 b) 9 c) 1	a) Not detected-0.80 ppm b) Not detected-0.10 ppm c) Not applicable Wet wt	a) 0.21 ppm b) <0.10 ppm c) 0.26 ppm Wet wt Geometric means	a) Florida, Brevard, Glades, Lee, and Marion Counties b) Louisiana, Cameron Parish c) South Carolina, Beaufort County Collected 1972-73 Florida Louisiana South Carolina No evidence of shell thinning BIRDS; EGGS; FLORIDA; LOUISIANA; NEW JERSEY; SOUTH CAROLINA; VIRGINIA; BIOACCUMULATION; PESTICIDE RESIDUES; DDE; POLYCHLORINATED BIPHENYLS	Kiese, H.E. Ohlendorf, H.M. Cromartie, E. 1980 Pesticides Monitoring Journal 14(3):90-96

Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-Cl4
MW 318.02, MP 88.4 C
Gallinule, purple
PORPHYRULA MARTINICA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2002 Eggs		GC-EC	a) 10 b) 1	a) Not detected-0.95 ppm b) Not applicable Wet wt	a) 0.18 ppm b) 0.29 ppm Wet wt Geometric means	a) Florida, Brevard, Glades, Lee and Marion Counties b) South Carolina, Charleston County Collected 1972-73 Florida South Carolina No evidence of shell thinning BIRDS; EGGS; FLORIDA; LOUISIANA; NEW JERSEY; SOUTH CAROLINA; VIRGINIA; BIOACCUMULATION; PESTICIDE RESIDUES; DDE; POLYCHLORINATED BIPHENYLS	Kiese, H.E. Ohlendorf, H.M. Cromartie, E. 1980 Pesticides Monitoring Journal 14(3):90-96

Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(dichloroethenyl)idene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-Cl4
MW 318.02, MP 88.6 C
Hawk, ferruginous
BUTEO REGALIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2003 Eggs		GC-EC	1	Not applicable	0.16 ppm wet wt	Addled eggs collected 1977/78, 4 eggs/nest Washington (ES), Whitman County BIRDS; EGGS; JUVENILES; WASHINGTON; BODY; DDE; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; OXYCHLORDANE; POLYCHLORINATED BIPHENYLS; PESTICIDE RESIDUES; BIOACCUMULATION	Bechard, M. 1981 Bulletin of Environmental Contamination and Toxicology 26:248-253

Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-Cl4
MW 318.02, MP 88.6 C
Ha-k, Swainson's
BUTEO SWAINSONI

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2004 Body		GC-EC	2	0.17-0.53 ppm wet wt	0.35 ppm wet wt	Nestlings collected 1977/78, 2-3 young/nest Washington (ES), Whitman and Garfield Counties BIRDS; EGGS; JUVENILES; WASHINGTON; BODY; DDE; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; OXYCHLORDANE; POLYCHLORINATED BIPHENYLS; PESTICIDE RESIDUES; BIOACCUMULATION	Bechard, M. 1981 Bulletin of Environmental Contamination and Toxicology 26:248-253

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Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-C14
MW 318.02, MP 88.4 C
Hawk, Swainson's
BUTEO SWAINSONI

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2005 Eggs		GC-EC	a) 4 b) 6	a) 0.19-7.13 ppm b) 0.29-2.91 ppm Wet wt	a) 4.21 ppm b) 1.47 ppm Wet wt	a) Oregon, near 1974 DDT sprayed area, shell thickness 0.367-0.426 mm b) Washington, shell thickness 0.360-0.490 mm Collected 1976 from 10 nests, clutch size 2-4 eggs Oregon (NE) Washington (SE) Shells 11.4% thinner than in pre-1947 eggs EGGS; BIRDS; BIOACCUMULATION; PESTICIDE RESIDUES; DDE; MERCURY; OREGON; WASHINGTON	Henny, C.J. Kaiser, T.E. 1979 The Murrelet 60:2-5
2006 Eggs		GC-EC	6	Not detected-2.90 ppm wet wt	1.06 ppm wet wt	Addled eggs collected 1977/78, 2-3 eggs/nest Washington (SE), Whitman, Garfield, and Franklin Counties BIRDS; EGGS; JUVENILES; WASHINGTON; BODY; DDE; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; OXYCHLORDANE; POLYCHLORINATED BIPHENYLS; PESTICIDE RESIDUES; BIOACCUMULATION	Bechard, M. 1981 Bulletin of Environmental Contamination and Toxicology 26:248-253

Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-Cl4
MW 318.02, MP 88.4 C
Heron, black-crowned night
NYCTICORAX NYCTICORAX

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2007 Brain		GC-EC	1	Not applicable	230 ppm wet wt	Moribund adult, 1975 Nevada, Elko County, Ruby Lake NWR BIRDS; FLORIDA; ILLINOIS; MINNESOTA; NEBRASKA; NEVADA; NORTH CAROLINA; VIRGINIA; WISCONSIN; ADULTS; BRAIN; BIOACCUMULATION; PESTICIDE RESIDUES; CHLORINE ORGANIC COMPOUNDS; DDD; DDE; DDT; DIELDRIN; POLYCHLORINATED BIPHENYLS	Ohlendorf, H.M. Swineford, D.M. Locke, L.N. 1979 Proceedings, 1979 Conference of the Colonial Waterbird Group, N.E. Southern (Comp.), pp. 176-85

Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-Cl4
MW 318.02, MP 88.4 C
Heron, great blue
ARDEA HERODIAS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2008 Brain		GC-EC	1	Not applicable	62 ppm wet wt	Moribund adult, 1976 North Carolina, Hyde County, Mattamuskeet NWR BIRDS; FLORIDA; ILLINOIS; MINNESOTA; NEBRASKA; NEVADA; NORTH CAROLINA; VIRGINIA; WISCONSIN; ADULTS; BRAIN; BIOACCUMULATION; PESTICIDE RESIDUES; CHLORINE ORGANIC COMPOUNDS; DDD; DDE; DDT; DIELDRIN; POLYCHLORINATED BIPHENYLS	Ohlendorf, H.M. Swineford, D.M. Locke, L.N. 1979 Proceedings, 1979 Conference of the Colonial Waterbird Group, N.E. Southern (Comp.), pp. 176-85

Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-Cl4
MW 318.02, MP 88.6 C
Kestrel, American
FALCO SPARVERIUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2009 Eggs		GC-EC	4	0.14-0.17 ppm wet wt	0.15 ppm wet wt	Addled eggs collected 1977/78, 5 eggs/nest Washington (SE), Whitman County BIRDS; EGGS; JUVENILES; WASHINGTON; BODY; DDE; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; OXYCHLORDANE; POLYCHLORINATED BIPHENYLS; PESTICIDE RESIDUES; BIOACCUMULATION	Beckerd, M. 1981 Bulletin of Environmental Contamination and Toxicology 26:248-253

Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-Cl4
MW 318.02, MP 88.6 C
Limpkin
ARAMUS GUARAUNA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2010 Eggs		GC-EC	16	Not detected-5.6 ppm wet wt	0.18 ppm wet wt Geometric mean	Collected 1973-74 Florida, Glades County, Lake Okeechobee No evidence of shell thinning BIRDS; EGGS; FLORIDA; LOUISIANA; NEW JERSEY; SOUTH CAROLINA; VIRGIN A; BIOACCUMULATION; PESTICIDE RESIDUES; DDE; POLYCHLORINATED BIPHENYLS	Blus, L.E. Ohlendorf, H.M. Cromartie, E. 1980 Pesticides Monitoring Journal 14(3):90-94

Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-Cl4
MW 318.02, MP 88.4 C
Owl, barn
TYTO ALBA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2011 Body	Ingestion	GC-EC	a) 2 b) 2 c) 9 d) 6 e) 12 f) 7 g) 6 h) 5	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given	a) 0.80 +or- 0.0078 ppm b) 0.71 +or- 0.091 ppm c) 112.0 +or- 0.056 ppm d) 78.0 +or- 0.34 ppm e) 1.2 +or- 0.18 ppm f) 1.1 +or- 0.16 ppm g) 102.0 +or- 0.10 ppm h) 79.0 +or- 0.16 ppm Wet Wt Geometric means	a) Controls, male b) Controls, female c) 3 ppm DDE, male d) 3 ppm DDE, female e) 0.5 ppm Dieldrin, male f) 0.5 ppm Dieldrin, female g) 3 ppm DDE + 0.5 ppm Dieldrin, male h) 3 ppm DDE + 0.5 ppm Dieldrin, female Levels in diet for 2 yr. Experienced (age 1.5-6 yr) and inexperienced (age 5-10 months) breeders from captive colony DDE associated with significant shell thinning, egg breakage, embryo mortality, and reduction of production/pair. Dieldrin associated only with slight shell thinning. BIRDS; EGGS; MARYLAND; ADULTS; BODY; DDE; DIELDRIN; BIOACCUMULATION	Mendenhall, V.M. Klaas, E.E. McLane, M.A.R. 1983 Archives of Environmental Contamination and Toxicology 12:235-240
2012 Eggs	Ingestion	GC-EC	a) 13 b) 9 c) 8 d) 13 e) 10 f) 13 g) 11 h) 10	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given	a) 0.25 +or- 0.058 ppm b) 12.0 +or- 0.029 ppm c) 0.28 +or- 0.067 ppm d) 12.0 +or- 0.060 ppm e) 0.60 +or- 0.051 ppm f) 41.0 +or- 0.025 ppm g) 0.36 +or- 0.051 ppm h) 62.0 +or- 0.060 ppm Wet wt Geometric means	a) Controls, shell thickness (ST) 0.270 mm b) 3 ppm DDE, ST 0.223 mm c) 0.5 ppm Dieldrin, ST 0.269 mm d) 3 ppm DDE + 0.5 ppm Dieldrin, ST 0.220 mm e) Controls, ST 0.288 mm f) 3 ppm DDE, ST 0.207 mm g) 0.5 ppm Dieldrin, ST 0.272 mm h) 3 ppm DDE + 0.5 ppm Dieldrin, ST 0.226 mm Levels in diet for 2 yr, a)-d) 1975, d)-h) 1976. 3rd egg of 1st clutch in each yr. Experienced (age 1.5-6 yr) and inexperienced (age 5-10 mo) breeders from captive colony. BIRDS; EGGS; MARYLAND; ADULTS; BODY; DDE; DIELDRIN; BIOACCUMULATION	Mendenhall, V.M. Klaas, E.E. McLane, M.A.R. 1983 Archives of Environmental Contamination and Toxicology 12:235-240

Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (9 CI)
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-Cl4
MW 318.02, MP 88.4 C
Owl, screech
OTUS ASIO

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2013 Body	Ingestion	GC-EC	a) 1 b) 1 c) 1 d) 6 e) 6 f) 10 g) 10 h) 2	a) Not applicable b) Not applicable c) Not applicable d) 0.07-0.10 ppm e) 0.06-0.07 ppm f) 0.02-0.11 ppm g) 0.07-0.32 ppm h) 0.35-1.28 ppm Wet wt	a) 0.01 ppm b) 0.38 ppm c) 0.34 ppm d) 0.08 ppm e) 0.06 ppm f) 0.06 ppm g) 0.10 ppm h) 0.89 ppm Wet wt	a) Lurvy young, control 1977 b) Dovey young, dosed 1976 c) Dovey young, dosed 1977 d) Fledglings, controls 1976 e) Fledglings, controls 1977 f) Fledglings, dosed 1976 g) Fledglings, dosed 1977 h) Adults, dosed 1977 Hatched by captive birds on 3 ppm Arochlor 1248 diet for 8 wk during 2 breeding seasons No detectable effects on reproduction BIRDS; EGGS; JUVENILES; MARYLAND; ADULTS; BODY; BIOACCUMULATION; PESTICIDE RESIDUES; DDE; DIELDRIN; /POLYCHLORINATED BIPHENYLS	McLane, M.A.R. Hughes, D.L. 1980 Archives of Environmental Contamination and Toxicology 9(6):661-665
2014 Eggs	Ingestion	GC-EC	a) 9 b) 9 c) 9 d) 9	a) 0.10-0.85 ppm b) 0.19-0.59 ppm c) 0.23-0.50 ppm d) 0.10-0.81 ppm Wet wt	a) 0.37 ppm b) 0.30 ppm c) 0.37 ppm d) 0.46 ppm Wet wt	a) Controls, 1976 b) Controls, 1977 c) Dosed, 1976 d) Dosed, 1977 3rd eggs of clutches Laid by captive birds on 3 ppm Arochlor 1248 diet for 8 wk during 2 breeding seasons No detectable effects on reproduction BIRDS; EGGS; JUVENILES; MARYLAND; ADULTS; BODY; BIOACCUMULATION; PESTICIDE RESIDUES; DDE; DIELDRIN; POLYCHLORINATED BIPHENYLS	McLane, M.A.R. Hughes, D.L. 1980 Archives of Environmental Contamination and Toxicology 9(5):661-665

Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-Cl4
MW 318.02, MP 88.6 C
Pelican, Australian
PELECANUS CONSPICILLATUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2015 Adipose		GC-EC	a) 2 b) 1 c) 1	a) 96.5-105.1 mg/kg b) Not applicable c) Not applicable Wet wt	a) 100.8 mg/kg b) 57.0 mg/kg c) 3.81 mg/kg Wet wt	a) Brisbane area b) Nurgoe area c) Gladstone area Collected 1977-79, moribund or dead Australia Emaciation, convulsions, infestation with large number of parasites, botulism in some BIRDS; NUTRITIONAL DEFICIENCIES; ADIPOSE TISSUE; BRAIN; LIVER; AUSTRALIA; DDE; DIELDRIN; BIOACCUMULATION; WATER POLLUTION	McKenzie, R.A. Froudigmann, C.L. Hawkinney, H. Reves, L.E. Green, P.E. Rees, G.J. 1982 Australian Veterinary Journal 58:148-152
2016 Brain		GC-EC	a) 12 b) 5	a) 0.6-24.5 mg/kg b) <0.2-3.0 mg/kg Wet wt	a) 5.7 mg/kg b) 0.7 mg/kg Wet wt	a) Brisbane area b) Nurgoe, Bundaberg, Gladstone and Rockhampton area Collected 1977-79, moribund or dead Australia Emaciation, convulsions, infestation with large number of parasites, botulism in some BIRDS; NUTRITIONAL DEFICIENCIES; ADIPOSE TISSUE; BRAIN; LIVER; AUSTRALIA; DDE; DIELDRIN; BIOACCUMULATION; WATER POLLUTION	McKenzie, R.A. Froudigmann, C.L. Hawkinney, H. Reves, L.E. Green, P.E. Rees, G.J. 1982 Australian Veterinary Journal 58:148-152
2017 Liver		GC-EC	a) 12 b) 5	a) 0.5-40.1 mg/kg b) <0.2-4.5 mg/kg Wet wt	a) 14.5 mg/kg b) 1.4 mg/kg Wet wt	a) Brisbane area b) Nurgoe, Bundaberg, Gladstone and Rockhampton area Collected 1977-79, moribund or dead Australia Emaciation, convulsions, infestation with large number of parasites, botulism in some BIRDS; NUTRITIONAL DEFICIENCIES; ADIPOSE TISSUE; BRAIN; LIVER; AUSTRALIA; DDE; DIELDRIN; BIOACCUMULATION; WATER POLLUTION	McKenzie, R.A. Froudigmann, C.L. Hawkinney, H. Reves, L.E. Green, P.E. Rees, G.J. 1982 Australian Veterinary Journal 58:148-152

Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-Cl4
MW 318.02, MP 88.6 C
Pelican, brown
PELECANUS OCCIDENTALIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2018 Eggs		GC-EC	a) 3 b) 12 c) 21 d) 25 e) 30 f) 25	a) 0.58-1.30 ug/g b) 0.82-2.58 ug/g c) 0.58-2.88 ug/g d) 0.22-1.79 ug/g e) 0.18-2.36 ug/g f) 0.48-2.68 ug/g Wet wt	a) 0.97 ug/g b) 1.36 ug/g c) 1.31 ug/g d) 0.68 ug/g e) 0.78 ug/g f) 0.92 ug/g Wet wt Geometric means	a) 1971 b) 1972 c) 1973 d) 1974 e) 1975 f) 1976 Shell thickness means 6.7-13.5% less than pre-1947 Viable and addled eggs from birds transplanted from Florida to Louisiana 1968-76 Louisiana, Barataria Bay BIRDS; EGGS; LOUISIANA; DDD; DDE; DDT; DIELDRIN; CHLORINE ORGANIC COMPOUNDS; HEPTACHLOR EPOXIDE; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Blus, L. Cromartie, E. McKenzie, L. Joanen, T. 1979 Bulletin of Environmental Contamination and Toxicology 22:128-135

Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-Cl4
MW 318.02, MP 88.6 C
Penguin, chinstrap
PYGOSCELIS ANTARCTICA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2019 Adipose		AAS	7	Not given	0.15 +or- 0.10 ug/g wet wt	Collected 2/77 and 1/79 Antarctica, Bouvetoya BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Somme, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240
2020 Liver		AAS	13	Not given	0.006 +or- 0.005 ug/g wet wt	Collected 2/77 and 1/79 Antarctica, Bouvetoya BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G Somme, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240

Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-Cl4
MW 318.02, MP 88.6 C
Penguin, macaroni
EUDYPTES CHRYSOLOPHUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2021 Adipose		AAS	6	Not given	0.19 +or- 0.06 ug/g wet wt	Collected 2/77 and 1/79 Antarctica, Vestfjella (C), Dronning Maud Land Antarctica, Bouvetoya BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Somme, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240
2022 Liver		AAS	9	Not given	<0.005 ug/g wet wt	Collected 2/77 and 1/79 Antarctica, Vestfjella (C), Dronning Maud Land Antarctica, Bouvetoya BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Somme, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240

Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-Cl4
MW 318.02, MP 88.6 C
Petrel, snow
PAGODROMA NIVEA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2023 Liver		AAS	7	Not given	0.006 +or- 0.004 ug/g wet wt	Collected 2/77 Antarctica, Vestfjella (C), Dronning Maud Land BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Somme, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240

Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-C14
MW 318.03, MP 88.4 C
Pigeon, Cape
DAPTION CAPENSE

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2024 Adipose		AAS	2	Not given	0.16 ug/g wet wt	Collected 2/77 and 1/79 Antarctica, Vestfjella (C), Dronning Maud Land Antarctica, Souvetoya BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Somme, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240
2025 Liver		AAS	?	Not given	0.043 +or- 0.029 ug/g wet wt	Collected 2/77 and 1/79 Antarctica, Vestfjella (C), Dronning Maud Land Antarctica, Souvetoya BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Somme, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240

Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-C14
MW 318.02, MP 88.4 C
Rail, clapper
RALLUS LONGIROSTRIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2026 Eggs		GC-EC	a) 10 b) 19 c) 20	a) 0.10-1.1 ppm b) 0.31-2.6 ppm c) 0.47-6.4 ppm Wet wt	a) 0.41 ppm b) 0.97 ppm c) 1.3 ppm Wet wt Geometric means	a) South Carolina, Charleston County b) Virginia, Accomack and Northampton Counties c) New Jersey, Cape May and Atlantic Counties Collected 1972-73 South Carolina Virginia New Jersey No evidence of shell thinning BIRDS; EGGS; FLORIDA; LOUISIANA; NEW JERSEY; SOUTH CAROLINA; VIRGINIA; BIOACCUMULATION; PESTICIDE RESIDUES; DDE; POLYCHLORINATED BIPHENYLS	Klaas, E.E. Ohlendorf, H.M. Cromartie, E. 1980 Pesticides Monitoring Journal 14(3):90-94

Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-C14
MW 318.02, MP 88.4 C
Seal, harp
PHAGOPHILUS GROENLANDICUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2027 Adipose		GC-EC	a) 11 b) 20	a) 0.556-2.056 ppm b) 0.690-2.138 pm Wet wt	a) 1.054 ppm b) 1.157 ppm Wet wt	a) Adults, 3/71, age 1-18 yr b) Pups, 3/73, age < 2 wk Blubber Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Rosevell, E.T. Muir, D.C.G. Baker, B.B. 1979 Pesticides Monitoring Journal 12(4):189-192

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Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-Cl4
MW 318.03, MP 88.6 C
Seal, harp
PHAGOPHILUS GROENLANDICUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2028 Brain		GC-EC	10	0.007-0.021 ppm wet wt	0.013 ppm wet wt	Pups, caught 3/73 Age <2 wk Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Roseveil, E.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192
2029 Canada		GC-EC	2	0.012-0.116 ppm wet wt	0.064 ppm wet wt	Pups, caught 3/73 Age <2 wk Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Roseveil, E.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192
2030 Kidney		GC-EC	11	0.034-0.268 ppm wet wt	0.095 ppm wet wt	Adults, caught 3/71 Age 1-10 yr Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Roseveil, E.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192
2031 Liver		GC-EC	a) 10 b) 10	a) 0.039-0.347 ppm b) 0.019-0.096 ppm Wet wt	a) 0.013 ppm b) 0.043 ppm Wet wt	a) Adults, 3/71, age 1-10 yr b) Pups, 3/73, age < 2 wk Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Roseveil, E.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192
2032 Muscle		GC-EC	10	0.048-0.138 ppm wet wt	0.081 ppm wet wt	Adults, caught 3/71 Age 1-10 yr Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Roseveil, E.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192

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Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-Cl4
MW 318.02, MP 88.6 C
Seal, harp
PHAGOPHILUS GROENLANDICUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2033 Spleen		GC-EC	10	0.039-0.358 ppm wet wt	0.099 ppm wet wt	Adults, caught 3/71 Age 1-18 yr Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Roosevelt, R.T. Muir, D.C.G. Baker, R.R. 1979 Pesticides Monitoring Journal 12(4):189-192

Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-Cl4
MW 318.02, MP 88.6 C
Skua, Brown
CATHARACTA LONNBERGI

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2034 Liver		AAS	8	Not given	0.59 +or- 0.38 ug/g wet wt	Collected 1/77 and 1/79 Antarctica, Vestfjella (C), Dronning Maud Land Antarctica, Bouvetoya BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Sonne, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240

Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-Cl4
MW 318.02, MP 88.6 C
Skua, south polar
CATHARACTA MACCORMICKI

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2035 Adipose		AAS	?	Not given	4.6 +or- 5.3 ug/g wet wt	Collected 2/77 Antarctica, Vestfjella (C), Dronning Maud Land BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Sonne, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-248
2036 Liver		AAS	8	Not given	0.30 +or- 0.45 ug/g wet wt	Collected 2/77 Antarctica, Vestfjella (C), Dronning Maud Land BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Sonne, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-248

Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-Cl4
MW 318.02, MP 88.6 C
Sparrowhawk
ACCIPITER NISUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2037 Eggs			163	a) Not given b) Not given c) Not given	a) 93.1 ppm b) 130.6 ppm c) 188.2 ppm Lipid wt Geometric means	a) Age 1 yr, eggs from 37 clutches b) Age 2 yr, eggs from 23 clutches c) Age 3+ yr, eggs from 103 clutches Collected 1971-78. Corrected values for concentration differences between years also given United Kingdom, Scotland (S), Ansoe and Esk River Valley BIRDS; EGGS; SCOTLAND; AGE; DDE; DIELDRIN; POLYCHLORINATED BIPHENYLS; PESTICIDE RESIDUES	Newton, I. Bogan, J. Marquis, M. 1981 Environmental Pollution (Series A) 25:155-160

Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-Cl4
MW 318.02, MP 88.6 C
Teal, blue-winged
AMAS DISCORE

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2030 Body			a) 41 b) 30	a) 0.11-1.20 ppm b) 0.10-0.66 ppm Wet wt	a) 0.48 ppm b) 0.38 ppm Wet wt	a) Fall '77, Swan Lake NWR (10 juveniles) and Powderhorn Lake (19 juveniles, 12 adults) before migration to South America, 6 birds with residue b) Spring '78, Powderhorn Lake (3 adults) and San Bernard NWR (5 juveniles, 3 adults) after migration to South America, 8 birds with residue GI tract, skin, and beaks removed Wt 273-567 g, 2-39 % lipid Missouri, Swan Lake National Wildlife Refuge Texas, Indianola, Powderhorn Lake Texas, San Bernard NWR No significant weight differences among age and sex groups in fall or spring BIRDS; JUVENILES; BIOACCUMULATION; PESTICIDE RESIDUES; DDE, DIELDRIN; BODY; MISSOURI; TEXAS; ADULTS	White, D.H. King, K.A. Mitchell, C.A. Krynitsky, A.J. 1981 Journal of Field Ornithology 52(1):23-29

Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI)
Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
72-55-9
C14-H8-Cl4
MW 318.02, MP 88.6 C
Tern, least
STERNA ALBIFRONS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2039 Eggs		GC	a) 9 b) 20 c) 15	a) 0.39-1.06 ug/g b) 0.19-1.22 ug/g c) 0.22-0.53 ug/g Wet wt	a) 0.63 ug/g b) 0.48 ug/g c) 0.33 ug/g Wet wt Geometric means	a) 1972, shell thickness 0.185 +or- 0.005 mm b) 1974, shell thickness 0.182 +or- 0.002 mm c) 1975, shell thickness 0.188 +or- 0.004 mm Shell thickness 2-7% thinner than pre-1947 Collected from 4 nesting colonies South Carolina, Cape Romain National Wildlife Refuge No evidence of population decline EGGS; BIRDS; SOUTH CAROLINA; BIOACCUMULATION; DDE; POLYCHLORINATED BIPHENYLS	Blus, L.J. Prouty, R.M. 1979 Wilson Bulletin 91(1):62-71

Fluorene (8 CI)
86-Fluorene (9 CI)
86-73-7
C13-H10
MW 166.22, MP 116-117 C, BP 293-29- C, VP 10 mm Hg at 146 C
Duck, mallard
ANAS PLATYRHYNCHOS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2040 Eggs	Ingestion	GC GC/MS	1	a) Not given b) Not given c) Not given	a) 0.041 ppm b) 0.099 ppm c) 0.12 ppm Wet wt	a) Saponification, GC b) Mechanical extraction, GC c) Mechanical extraction, GC/MS Better reproducibility with saponification. Pooled eggs from hen on diet containing 25,000 ppm South Louisiana crude oil for 4 mo BIRDS; EGGS; HYDROCARBONS; MEASUREMENT METHODS; MARYLAND; ADULTS	Bellelo, A.A. Gay, M.L. Coon, N.C. 1981 Chemosphere 10(11/12):1197-1203

Heptadecane
629-78-7
C17-H36
MW 240.48, MP 22 C, BP 301.8 C, VP 1 mm Hg at 115 C
Chub, flathead
HYBOPSIS GRACILIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2041 Body		GC/MS		a) Not given b) Not given	a) 6.6 ug/g b) 15.2 ug/g Wet wt	a) Powder River, Locate b) Powder River Mouth Composite samples of 2-10 fish Montana (S) ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Welch, E.J. Kuehl, D.W. Leonard, E.N. Veith, G.D. Schoenthal, H.D. 1981 Bulletin of Environmental Contamination and Toxicology 26:726-728

Heptadecane
629-78-7
C17-H36
MW 240.48, MP 22 C, BP 301.8 C, VP 1 mm Hg at 115 C
Chub, lake
COUESIUS PLUMBEUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2052 Body		GC/MS		Not given	19.3 ug/g wet wt	Composite sample Montana (S), Big Horn River, Hardin ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Welch, E.J. Kuehl, D.W. Leonard, E.N. Veith, G.D. Schoenthal, H.D. 1981 Bulletin of Environmental Contamination and Toxicology 26:726-728

Heptadecane
629-78-7
C17-H36
MW 240.48, MP 22 C, BP 301.8 C, VP 1 mm Hg at 115 C
Duck, mallard
ANAS PLATYRHYNCHOS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2063 Eggs	Ingestion	GC GC/MS	1	a) Not given b) Not given c) Not given d) Not given	a) 0.43 ppm b) 0.20 ppm c) 0.16 ppm d) 0.15 ppm Wet wt	a) Saponification, GC b) Saponification, GC/MS c) Mechanical extraction, GC d) Mechanical extraction, GC/MS Better reproducibility with saponification. Pooled eggs from hen on diet containing 25,000 ppm South Louisiana crude oil for 4 mo BIRDS; EGGS; HYDROCARBONS; MEASUREMENT METHODS; MARYLAND; ADULTS	Bellelo, A.A. Gay, M.L. Coon, N.C. 1981 Chemosphere 10(11/12):1197-1203

Heptadecane
629-78-7
C17-H36
MW 240.48, MP 22 C, BP 301.8 C, VP 1 mm Hg at 115 C
Minnow, fathead
PIMEPHALES PROMELAS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2064 Body		GC/MS		a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given	a) 9.2 ug/g b) 5.8 ug/g c) 2.4 ug/g d) 11.1 ug/g e) 5.0 ug/g f) 2.8 ug/g g) 3.8 ug/g h) 3.5 ug/g i) 3.8 ug/g Wet wt	a) Tongue River, Birney b) Tongue River, Miles City c) Otter Creek, Miles City d) Pumpkin Creek, Miles City f) Sunday Creek, Miles City g) Big Porcupine Creek, Forsyth h) Sarpy Creek, Sanders i) Unnamed creek, Hardin Composite samples of 3-10 fish Montana (E) ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Welch, E.J. Kuehl, D.W. Leonard, E.N. Veith, G.D. Schoenthal, M.D. 1981 Bulletin of Environmental Contamination and Toxicology 26:726-730

Heptadecane
629-78-7
C17-H36
MW 240.48, MP 22 C, BP 301.8 C, VP 1 mm Hg at 115 C
Minnow, silvery
HYBIOGNATHUS NUCHALIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2045 Body		GC/MS		Not given	2.2 ug/g wet wt	Composite sample Montana (E), Musselshell River, Melstrom ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Welch, E.J. Kuehl, D.W. Leonard, E.N. Veith, G.D. Schoenthal, H.D. 1981 Bulletin of Environmental Contamination and Toxicology 26:726-728

Heptadecane
629-78-7
C17-H36
MW 240.48, MP 22 C, BP 301.8 C, VP 1 mm Hg at 115 C
Sucker, white
CATOSTOMUS COMMERSONI

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2046 Body		GC/MS		a) Not given b) Not given c) Not given d) Not given e) Not given	a) 2.8 ug/g b) 39.4 ug/g c) 8.6 ug/g d) 55.9 ug/g e) 3.8 ug/g Wet wt	a) Tongue River Reservoir b) Little Powder River, Broadus c) O'Fallon Creek, Mill Iron d) Beaver Creek, Baker e) Hanging Woman Creek, Birney Composite samples of 3-10 fish Montana (E) ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Welch, E.J. Kuehl, D.W. Leonard, E.N. Veith, G.D. Schoenthal, H.D. 1981 Bulletin of Environmental Contamination and Toxicology 26:726-728

Heptadecane
629-78-7
C17-H36
MW 240.48, MP 22 C, BP 301.8 C, VP 1 mm Hg at 115 C
Trout, lake
SALVELINUS NAMAYCUSH

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2047 Body		GC/MS		a) Not given b) Not given c) Not given d) Not given	a) 7.1 ug/g b) 6.6 ug/g c) 47 ug/g d) 61 ug/g Wet wt	a) Lake Superior b) Lake Michigan c) Lake Huron d) Lake Ontario Composite samples Great Lakes ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Welch, E.J. Buehl, D.W. Leonard, E.N. Veith, G.D. Schoenthal, M.D. 1981 Bulletin of Environmental Contamination and Toxicology 26:724-728

Hexadecane
544-76-3
C16-H34
MW 226.45, MP 18.17 C, BP 287 C, VP 1 mm Hg at 105.3 C
Chub, flathead
HYBOPSIS GRACILIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2048 Body		GC/MS		a) Not given b) Not given	a) 0.2 ug/g b) 0.3 ug/g Wet wt	a) Powder River, Locate b) Powder River Mouth Composite samples of 2-10 fish Montana (E) ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Welch, E.J. Buehl, D.W. Leonard, E.N. Veith, G.D. Schoenthal, M.D. 1981 Bulletin of Environmental Contamination and Toxicology 26:724-728

Hexadecane
544-76-3
C16-H34
MW 226.45, MP 18.17 C, BP 287 C, VP 1 mm Hg at 105.3 C
Chub, lake
COREGIUS PLUMBEUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2049 Body		GC/MS		Not given	0.4 ug/g wet wt	Composite sample Montana (E), Big Horn River, Hardin ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Leib, K.J. Ruehl, D.M. Leonard, E.N. Veith, G.D. Schoenthal, H.D. 1981 Bulletin of Environmental Contamination and Toxicology 26:726-728

Hexadecane
544-76-3
C16-H34
MW 226.45, MP 18.17 C, BP 287 C, VP 1 mm Hg at 105.3 C
Duck, mallard
ANAS PLATYRHYNCHOS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2050 Eggs	Ingestion	GC GC/MS	1	a) Not given b) Not given c) Not given d) Not given	a) 0.25 ppm b) 0.16 ppm c) 0.13 ppm d) 0.11 ppm Wet wt	a) Saponification, GC b) Saponification, GC/MS c) Mechanical extraction, GC d) Mechanical extraction, GC/MS Better reproducibility with saponification. Pooled eggs from hen on diet containing 25,000 ppm South Louisiana crude oil for 4 mo BIRDS; EGGS; HYDROCARBONS; MEASUREMENT METHODS; MARYLAND; ADULTS	Bellelo, A.A. Gay, M.L. Coon, N.C. 1981 Chemosphere 10(11/12):1197-1203

Hexadecane
544-76-3
C16-H34
MW 226.45, MP 18.17 C, BP 287 C, VP 1 mm Hg at 105.3 C
Minnow, fathead
PIMEPHALES PROMELAS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2051 Body		GC/MS		a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given	a) 0.9 ug/g b) 0.2 ug/g c) 0.1 ug/g d) 7.4 ug/g e) 0.4 ug/g f) 0.6 ug/g g) 0.1 ug/g h) 0.1 ug/g i) 0.1 ug/g Wet wt	a) Tongue River, Birney b) Tongue River, Miles City c) Otter Creek, Ashland d) Fountain Creek, Miles City e) Box Elder Creek, Hhelake f) Sunday Creek, Miles City g) Big Porcupine Creek, Forsyth h. Sarpy Creek, Sanders i) Unnamed creek, Hardin Composite samples of 2-10 fish Montana (E) ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Welch, E.J. Kuehl, D.W. Leonard, E.N. Veith, G.D. Schoenthal, H.D. 1981 Bulletin of Environmental Contamination and Toxicology 26:726-728

Hexadecane
544-76-3
C16-H34
MW 226.45, MP 18.17 C, BP 287 C, VP 1 mm Hg at 105.3 C
Minnow, silvery
HYBIOGNATHUS NUCHALIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2052 Body		GC/MS		Not given	0.6 ug/g wet wt	Composite sample Montana (E), Musselshell River, Melstrom ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Welch, E.J. Kuehl, D.W. Leonard, E.N. Veith, G.D. Schoenthal, H.D. 1981 Bulletin of Environmental Contamination and Toxicology 26:726-728

Hexadecane
544-76-3
C16-H34
MW 226.45, MP 18.17 C, BP 287 C, VP 1 mm Hg at 105.3 C
Sucker, white
CATOSTOMUS COMMERSONI

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2053 Body		GC/MS		a) Not given b) Not given c) Not given d) Not given e) Not given	a) 0.1 ug/g b) 1.3 ug/g c) 0.1 ug/g d) 2.5 ug/g e) 0.2 ug/g Wet wt	a) Tongue River Reservoir b) Little Powder River, Broadus c) O'Fallon Creek, Hill Iron d) Beaver Creek, Baker e) Hanging Women Creek, Birney Composite samples of 2-10 fish Montana (E) ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Welch, E.J. Kuehl, D.W. Leonard, E.N. Veith, G.D. Schoenthal, N.D. 1981 Bulletin of Environmental Contamination and Toxicology 26:724-728

Hexadecane, 2,6,10,14-tetramethyl-
638-36-8
C20-H42
MW 282.62
Duck, mallard
ANAS PLATYRHYNCHOS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2054 Eggs	Ingestion	GC GC/MS	1	a) Not given b) Not given c) Not given d) Not given	a) 1.8 ppm b) 1.9 ppm c) 0.99 ppm d) 1.0 ppm Wet wt	a) Saponification, GC b) Saponification, GC/MS c) Mechanical extraction, GC d) Mechanical extraction, GC/MS Better reproducibility with saponification. Pooled eggs from hen on diet containing 25,000 ppm South Louisiana crude oil for 4 mo BIRDS; EGGS; HYDROCARBONS; MEASUREMENT METHODS; MARYLAND; ADULTS	Melisle, A.A. Cay, M.L. Coon, N.C. 1981 Chemosphere 10(11/12):1197-1203

Iron
7439-89-6
Fe
AtW 55.847, MP 1535 C (pure), 1000-1300 C (cast), 1500 C (wrought), 1300 C (steel), BP 3000 C, VP 1 mm Hg at 1767 C, 10 mm Hg at 2040 C
Cattle
BOS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2055 Blood	Ingestion	AAS	48	a) Not given b) Not given c) Not given	a) 514 +or- 78 mg/l b) 491 +or- 69 mg/l c) 478 +or- 89 mg/l	a) Control pasture, Pensacola bahiagrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season 168 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Edds, G.T. West, R.L. 1981 Journal of Animal Science 53(1):166-153
2056 Kidney	Ingestion	AAS	48	a) Not given b) Not given c) Not given	a) 87.26 +or- 22.96 mg/kg b) 88.90 +or- 10.89 mg/kg c) 86.21 +or- 26.86 mg/kg Wet wt	a) Control pasture, Pensacola bahiagrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season 168 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Edds, G.T. West, R.L. 1981 Journal of Animal Science 53(1):166-153

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Iron
7439-89-6
Fe
AEW 55.847, MP 1535 C (pure), 1000-1300 C (cast), 1500 C (wrought), 1300 C (steel), BP 3000 C, VP 1 mm Hg at 1707 C, 10 mm Hg at 2060 C
Cattle
BOS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2057 Liver	Ingestion	AAS	48	a) Not given b) Not given c) Not given	a) 82.28 +or- 23.80 mg/kg b) 116.13 +or- 29.62 mg/kg c) 125.88 +or- 53.11 mg/kg Wet wt	a) Control pasture, Pensacola bahiagrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season 168 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Edds, G.T. West, N.L. 1981 Journal of Animal Science 53(1):146-153
2058 Muscle	Ingestion	AAS	48	a) Not given b) Not given c) Not given	a) 39.18 +or- 8.33 mg/kg b) 39.45 +or- 5.21 mg/kg c) 48.56 +or- 6.82 mg/kg Wet wt	a) Control pasture, Pensacola bahiagrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season 168 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Edds, G.T. West, N.L. 1981 Journal of Animal Science 53(1):146-153

Iron
7439-89-6
Fe
AtW 55.847, MP 1535 C (pure), 1000-1300 C (cast), 1500 C (wrought), 1300 C (steel), BP 3000 C, VP 1 mm Hg at 1707 C, 10 mm Hg at 2040 C
Char
SALVELINUS ALPINUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2059 Bone		AAS	a) 10 b) 10	a) 24-87 ug/l b) 23-171 ug/l Dry wt	a) 51.8 ug/l b) 78.8 ug/l Dry wt	a) Llyn Peris b) Llyn Padarn Collected 11/76 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-6 yr, length 60-240 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cove, I.G. 1982 Environmental Pollution (Series A) 29:101-110
2060 Kidney		AAS	a) 10 b) 10	a) 910-1697 ug/l b) 312-1115 ug/l Dry wt	a) 863.3 ug/l b) 572.5 ug/l Dry wt	a) Llyn Peris b) Llyn Padarn Collected 11/76 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-6 yr, length 60-240 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cove, I.G. 1982 Environmental Pollution (Series A) 29:101-110
2061 Liver		AAS	a) 10 b) 10	a) [illegible] ug/l b) 637-1072 ug/l Dry wt	a) 3010.6 ug/l b) 669.0 ug/l Dry wt	a) Llyn Peris b) Llyn Padarn Collected 11/76 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-6 yr, length 60-240 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cove, I.G. 1982 Environmental Pollution (Series A) 29:101-110

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Iron
7439-89-6
Fe
AEW 55.847, MP 1535 C (pure), 1000-1300 C (cast), 1500 C (wrought), 1300 C (steel), BP 3000 C, VP 1 mm Hg at 1787 C, 10 mm Hg at 2040 C
Char
SALVELINUS ALPINUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2062 Muscle		AAS	a) 10 b) 10	a) 25-65 ug/l b) 35-62 ug/l Dry wt	a) 41.2 ug/l b) 37.1 ug/l Dry wt	a) Llyn Peris b) Llyn Padarn Collected 11/74 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-6 yr, length 60-240 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cove, I.G. 1982 Environmental Pollution (Series A) 29:101-110
2063 Scales		AAS	a) 10 b) 10	a) 10-60 ug/l b) 50-242 ug/l Dry wt	a) 30.3 ug/l b) 89.2 ug/l Dry wt	a) Llyn Peris b) Llyn Padarn Collected 11/74 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-6 yr, length 60-240 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cove, I.G. 1982 Environmental Pollution (Series A) 29:101-110

Iron
7439-89-6
Fe
AIW 55.847, MP 1535 C (pure), 1000-1300 C (cast), 1500 C (wrought), 1300 C (steel), BP 3000 C, VP 1 mm Hg at 1787 C, 10 mm Hg at 2040 C
Clam
MANGIA CUNEATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2000 Body		AAS	62	Not given	720 ug/g wet wt	Composite samples, adults collected 12/78 prior to operation of ore refinery Mississippi, St. Louis Bay (MW) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Iron
7439-89-6
Fe
AIW 55.847, MP 1535 C (pure), 1000-1300 C (cast), 1500 C (wrought), 1300 C (steel), BP 3000 C, VP 1 mm Hg at 1787 C, 10 mm Hg at 2040 C
Clam, softshell
MYA ARENARIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2065 Muscle		AAS	67	Not given	934 +or- 711 ug/g wet wt	Total soft tissues. Collected 1978-79 Oregon, coast CRUSTACEANS; HEPATOPANCREAS; MOLLUSKS; ORGANS; MUSCLES; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; IRON; MANGANESE; MERCURY; ZINC	Caldwell, R.S. Buhler, D.R. 1983 Archives of Environmental Contamination and Toxicology 12:15-23

Iron
7439-89-6
Fe
AtW 55.847, MP 1535 C (pure), 1000-1300 C (cast), 1500 C (wrought), 1300 C (steel), BP 3000 C, VP 1 mm Hg at 1787 C, 10 mm Hg at 2040 C
Cockle
CLINOCARDIUM NUTTALLII

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2066 Muscle		AAS	47	Not given	460 +or- 360 ug/g wet wt	Total soft tissues. Collected 1970-74 Oregon, coast CRUSTACEANS; HEPATOPANCREAS; MOLLUSKS; OREGON; MUSCLES; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; IRON; MANGANESE; MERCURY; ZINC	Caldwell, R.S. Buhler, D.R. 1983 Archives of Environmental Contamination and Toxicology 12:15-23

Iron
7439-89-6
Fe
AtW 55.847, MP 1535 C (pure), 1000-1300 C (cast), 1500 C (wrought), 1300 C (steel), BP 3000 C, VP 1 mm Hg at 1787 C, 10 mm Hg at 2040 C
Crab, Dungeness
CANCER MAGISTER

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2067 Hepatopancreas		AAS	59	Not given	40.6 +or- 34.0 ug/g wet wt	Collected 1970-74 Oregon, coast CRUSTACEANS; HEPATOPANCREAS; MOLLUSKS; OREGON; MUSCLES; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; IRON; MANGANESE; MERCURY; ZINC	Caldwell, R.S. Buhler, D.R. 1983 Archives of Environmental Contamination and Toxicology 12:15-23
2068 Muscle		AAS	73	Not given	5.71 +or- 4.60 ug/g wet wt	Collected 1970-74 Oregon, coast CRUSTACEANS; HEPATOPANCREAS; MOLLUSKS; OREGON; MUSCLES; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; IRON; MANGANESE; MERCURY; ZINC	Caldwell, R.S. Buhler, D.R. 1983 Archives of Environmental Contamination and Toxicology 12:15-23

Iron
7439-89-6
Fe
AUW 55.847, MP 1535 C (pure), 1000-1300 C (cast), 1500 C (wrought), 1300 C (steel), BP 3000 C, VP 1 mm Hg at 1787 C, 10 mm Hg at 2040 C
Oyster
CRASSOSTREA VIRGINICA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
20:9 Body		AAS		Not given	57.4 ug/g wet wt	Collected 12/78 prior to operation of ore refinery. Shucked wet wt 6.5-11.7 g Mississippi, St. Louis Bay (SW) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Iron
7439-89-6
Fe
AUW 55.847, MP 1535 C (pure), 1000-1300 C (cast), 1500 C (wrought), 1300 C (steel), BP 3000 C, VP 1 mm Hg at 1787 C, 10 mm Hg at 2040 C
Sheep
OVIS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2070 Heart	Ingestion	AAS	21	a) Not given b) Not given c) Not given	a) 388 mg/kg b) 485 mg/kg c) 360 mg/kg Dry wt	a) Fetuses from ewes on Cu-deficient rations (<1 mg/kg of feed) for 9 mo before breeding b) Fetuses from ewes on Cu-supplemented rations (10 mg/kg of feed) for 3 mo before breeding c) Fetuses from ewes on natural diet 130 day old fetuses SHEEP; CANADA; FETUS; NUTRITIONAL DEFICIENCIES; HEART; KIDNEYS; LIVER; LUNGS; SPLEEN; COPPER; IRON; MANGANESE; TRACE ELEMENTS; ZINC; BIOACCUMULATION	Hidiroglou, M. Williams, C.J. 1982 American Journal of Veterinary Research 43(2):314-317

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Iron
7439-89-6
Fe
AtW 55.847, MP 1535 C (pure), 1000-1300 C (cast), 1500 C (wrought), 1300 C (steel), BP 3000 C, VP 1 mm Hg at 1787 C, 10 mm Hg at 2090 C
Sheep
OVIS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2071 Kidney	Ingestion	AAS	21	a) Not given b) Not given c) Not given	a) 308 mg/kg b) 335 mg/kg c) 725 mg/kg Dry wt	a) Fetuses from ewes on Cu-deficient rations (<1 mg/kg of feed) for 9 mo before breeding b) Fetuses from ewes on Cu-supplemented rations (10 mg/kg of feed) for 2 mo before breeding c) Fetuses from ewes on natural diet 130 day old fetuses SHEEP; CANADA; FETUS; NUTRITIONAL DEFICIENCIES; HEART; KIDNEYS; LIVER; LUNGS; SPLEEN; COPPER; IRON; MANGANESE; TRACE ELEMENTS; ZINC; BIOACCUMULATION	Hidiroglou, N. Williams, C.J. 1982 American Journal of Veterinary Research 43(2):310-313
2072 Liver	Ingestion	AAS	21	a) Not given b) Not given c) Not given	a) 2132 mg/kg b) 2694 mg/kg c) 3404 mg/kg Dry wt	a) Fetuses from ewes on Cu-deficient rations (<1 mg/kg of feed) for 9 mo before breeding b) Fetuses from ewes on Cu-supplemented rations (10 mg/kg of feed) for 2 mo before breeding c) Fetuses from ewes on natural diet 130 day old fetuses SHEEP; CANADA; FETUS; NUTRITIONAL DEFICIENCIES; HEART; KIDNEYS; LIVER; LUNGS; SPLEEN; COPPER; IRON; MANGANESE; TRACE ELEMENTS; ZINC; BIOACCUMULATION	Hidiroglou, N. Williams, C.J. 1982 American Journal of Veterinary Research 43(2):310-313
2073 Lung	Ingestion	AAS	21	a) Not given b) Not given c) Not given	a) 362 mg/kg b) 717 mg/kg c) 539 mg/kg Dry wt	a) Fetuses from ewes on Cu-deficient rations (<1 mg/kg of feed) for 9 mo before breeding b) Fetuses from ewes on Cu-supplemented rations (10 mg/kg of feed) for 2 mo before breeding c) Fetuses from ewes on natural diet 130 day old fetuses SHEEP; CANADA; FETUS; NUTRITIONAL DEFICIENCIES; HEART; KIDNEYS; LIVER; LUNGS; SPLEEN; COPPER; IRON; MANGANESE; TRACE ELEMENTS; ZINC; BIOACCUMULATION	Hidiroglou, N. Williams, C.J. 1982 American Journal of Veterinary Research 43(2):310-313

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Iron
7439-89-6
Fe
AtW 55.847, MP 1535 C (pure), 1600-1300 C (cast), 1500 C (wrought), 1300 C (steel), BP 3000 C, VP 1 mm Hg at 1707 C, 10 mm Hg at 2040 C
Sheep
OVIS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2074 Spleen	Ingestion	AAS	21	a) Not given b) Not given c) Not given	a) 687 mg/kg b) 735 mg/kg c) 821 mg/kg Dry wt	a) Fetuses from ewes on Cu-deficient rations (<1 mg/kg of feed) for 9 mo before breeding b) Fetuses from ewes on Cu-supplemented rations (10 mg/kg of feed) for 2 mo before breeding c) Fetuses from ewes on natural diet 130 day old fetuses SHEEP; CANADA; FETUS; NUTRITIONAL DEFICIENCIES; HEART; KIDNEYS; LIVER; LUNGS; SPLEEN; COPPER; IRON; MANGANESE; TRACE ELEMENTS; ZINC; BIOACCUMULATION	Hidiroglou, M. Williams, C.J. 1982 American Journal of Veterinary Research 43(2):310-313

Iron
7439-89-6
Fe
AtW 55.847, MP 1535 C (pure), 1600-1300 C (cast), 1500 C (wrought), 1300 C (steel), BP 3000 C, VP 1 mm Hg at 1707 C, 10 mm Hg at 2040 C
Trout, brown
SALMO TRUTTA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2075 Bone		AAS	a) 10 b) 10	a) 3-135 ug/l b) 79-136 ug/l Dry wt	a) 107.0 ug/l b) 78.5 ug/l Dry wt	a) Llyn Peris b) Llyn Padarn Collected 11/74 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-3 yr, length 80-250 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Coes, E.G. 1982 Environmental Pollution (Series A) 29:101-110

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Iron
7439-89-6
Fe
AEW 55.847, MP 1535 C (pure), 1000-1300 C (cast), 1500 C (wrought), 1300 C (steel), BP 3000 C, VP 1 mm Hg at 1787 C, 10 mm Hg at 2040 C
Trout, brown
SALMO TRUTTA

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2076 Kidney		AAS	a) 10 b) 10	a) 356-819 ug/l b) 310-831 ug/l Dry wt	a) 607.0 ug/l b) 546.1 ug/l Dry wt	a) Llyn Peris b) Llyn Padarn Collected 11/74 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-3 yr, length 80-250 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cove, I.G. 1982 Environmental Pollution (Series A) 29:101-110
2077 Liver		AAS	a) 10 b) 10	a) 356-899 ug/l b) 327-662 ug/l Dry wt	a) 571.5 ug/l b) 510.6 ug/l Dry wt	a) Llyn Peris b) Llyn Padarn Collected 11/74 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-3 yr, length 80-250 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cove, I.G. 1982 Environmental Pollution (Series A) 29:101-110
2078 Muscle		AAS	a) 10 b) 10	a) 23-73 ug/l b) 22-60 ug/l Dry wt	a) 42.3 ug/l b) 47.8 ug/l Dry wt	a) Llyn Peris b) Llyn Padarn Collected 11/74 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-3 yr, length 80-250 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cove, I.G. 1982 Environmental Pollution (Series A) 29:101-110

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Iron
7439-89-6
Fe
AtW 55.847, MP 1535 C (pure), 1000-1300 C (cast), 1500 C (wrought), 1300 C (ato.), BP 3000 C, VP 1 mm Hg at 1787 C, 10 mm Hg at 2040 C
Trout, brown
SALMO TRUTTA

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2079 Scales		AAS	a) 10 b) 10	a) 53-146 ug/l b) 48-194 ug/l Dry wt	a) 87.9 ug/l b) 96.6 ug/l Dry wt	a) Llyn Peris b) Llyn Padarn Collected 11/74 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-3 yr, length 85-258 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cove, I.G. 1982 Environmental Pollution (Series A) 29:101-110

Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Bluefish, marine
POMATOMUS SALTATRIX

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2080 Muscle		AAS	a) 1-3 b) 1 c) 1 d) 1	a) Not given b) Not given c) Not given d) Not given	a) 0.13 +or- 0.5 ug/g b) 0.13 +or- 0.08 ug/g c) 0.18 +or- 0.09 ug/g d) 0.17 +or- 0.05 ug/g Dry wt	a) Stainless steel b) Titanium c) Lexan plastic d) Teflon-coated stainless steel Dissecting tool materials Dorsal muscle, fish wt 917-20 g, length 63.5-66.2 cm Virginia, Eastern TELLURIUM; MOLLUSKS; NEW YORK; BODY; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION; FISHES	Bolt, H. Klusek, C.S. 1982 Science of the Total Environment 26:129-136

Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Canvasback
AYTHYA VALISINERIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2001 Bone		AAS	a) 5 b) 5 c) 5 d) 5 e) 5 f) 5 g) 5 h) 5	a) 5.3-65 ppm b) 0.99-13 ppm c) <0.5-7.5 ppm d) <0.5-76 ppm e) 6.9-12 ppm f) 1.0-15 ppm g) <0.5-4.2 ppm h) <0.5-26 ppm Wet wt	a) 18 ppm b) 5.4 ppm c) 0.76 ppm d) 0.98 ppm e) 6.3 ppm f) 4.6 ppm g) 0.53 ppm h) 1.3 ppm Wet wt Geometric means	a) Adult males, LaCrosse b) Adult females, LaCrosse c) Immature males, LaCrosse d) Immature females, LaCrosse e) Adult males, Keokuk f) Adult females, Keokuk g) Immature males, Keokuk h) Immature females, Keokuk Wing bones. Collected 1976 Wisconsin, LaCrosse, Mississippi River Iowa, Keokuk, Mississippi River BIRDS; JUVENILES; IOWA; WISCONSIN; ADULTS; BONES; KIDNEYS; LIVER; BIOACCUMULATION; CADMIUM; LEAD; MERCURY; NICKEL	Fleming, W.J. 1981 Journal of Wildlife Management 45(2):508-511
2002 Bone		AAS	76	Not given	7.8 +or- 1.0 ppm dry wt	Wingbone Collected 1975 Maryland, Chesapeake Bay BIRDS; MARYLAND; BODY; BONES; KIDNEYS; LIVER; CADMIUM; CHLORINE ORGANIC COMPOUNDS; CHROMIUM; COPPER; DDD; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; LEAD; MERCURY; POLYCHLORINATED BIPHENYLS; ZINC; BIOACCUMULATION; PESTICIDE RESIDUES	White, D.H. Stendell, R.C. Hulbert, E.M. 1979 Wilson Bulletin 91(2):279-287
2003 Liver		AAS	a) 29 b) 67 c) 70	a) Not given b) Not given c) Not given	a) 0.25 +or- 0.02 ppm b) 0.16 +or- 0.01 ppm c) 0.19 +or- 0.02 ppm Wet wt	a) 1973 b) 1975 c) 1976 Maryland, Chesapeake Bay BIRDS; MARYLAND; BODY; BONES; KIDNEYS; LIVER; CADMIUM; CHLORINE ORGANIC COMPOUNDS; CHROMIUM; COPPER; DDD; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; LEAD; MERCURY; POLYCHLORINATED BIPHENYLS; ZINC; BIOACCUMULATION; PESTICIDE RESIDUES	White, D.H. Stendell, R.C. Hulbert, E.M. 1979 Wilson Bulletin 91(2):279-287

Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Cattle
BOS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2000 Blood	Ingestion	AAS	48	a) Not given b) Not given c) Not given	a) <0.10 mg/l b) <0.10 mg/l c) <0.10 mg/l	a) Control pasture, Pensacola bahiagrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season 168 grazing days. Beef steers, mixed breeds, mean wt 269 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS, LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Edds, G.T. West, N.L. 1981 Journal of Animal Science 53(1):148-153
2065 Blood	Ingestion		a) 24 b) 24	a) Not given b) Not given	a) 0.026 ug/ml b) 0.025 ug/ml Maximum values	a) Varaaengene, pasture with heavy birdshooting activity b) St. Vildmose, control pasture, bird shooting banned Sampled 1980-81 at end of grazing season. 2 yr old heifers Denmark, Jutland (W) CATTLE; DENMARK; BLOOD; LEAD; BIOACCUMULATION	Bjorn, H. Gyrd-Hansen, N. Kraul, I. 1982 Bulletin of Environmental Contamination and Toxicology 29:174-176

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Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Cattle
Bos sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2086 Blood	Ingestion	AAS	a) 6 b) 6 c) 10 d) 1	a) 0.03-0.04 mg/kg b) 0.30-0.90 mg/kg c) 1.08-3.21 mg/kg d) Not applicable Wet wt	a) 0.03 +or- 0.01 mg/kg b) 0.47 +or- 0.29 mg/kg c) 1.57 +or- 0.62 mg/kg d) 2.61 mg/kg Wet wt	a) Controls b) 2.7 mg/kg for 20 days c) 5 mg/kg for 7 days d) 20 mg/kg for 5 days Pb acetate doses and exposure times. Animals sacrificed when majority showed signs of intoxication Holstein calves, age 9-12 wk, wt ca 55 kg Depression, hypoglossal paresis, suckling problems, unsteadiness, truncal ataxia, muscular tremors, generalized seizures, opistotonos, death of respiratory failure. Seizures and death within 48-72 hr at 2.7 mg/kg, 24-36 hr at 5 mg/kg, and 8 hr at 20 mg/kg following hypoglossal paresis. CATTLE; JUVENILES; NERVES; TEXAS; LEAD POISONING; BLOOD; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; PANCREAS; SPINAL CORD; SPLEEN; LEAD; BIOACCUMULATION	Saudski, J. Bratton, G.R. Womac, C. Rowe, L. 1983 Bulletin of Environmental Contamination and Toxicology 30:435-441
2087 Bone	Ingestion	AAS	a) 6 b) 6 c) 10 d) 1	a) 0.18-0.32 mg/kg b) 30.00-75.36 mg/kg c) 32.63-105.81 mg/kg d) Not applicable Wet wt	a) 0.22 +or- 0.07 mg/kg b) 49.02 +or- 16.15 mg/kg c) 74.92 +or- 20.15 mg/kg d) 108.32 mg/kg Wet wt	a) Controls b) 2.7 mg/kg for 20 days c) 5 mg/kg for 7 days d) 20 mg/kg for 5 days Pb acetate doses and exposure times. Animals sacrificed when majority showed signs of intoxication Holstein calves, age 9-12 wk, wt ca 55 kg Depression, hypoglossal paresis, suckling problems, unsteadiness, truncal ataxia, muscular tremors, generalized seizures, opistotonos, death of respiratory failure. Seizures and death within 48-72 hr at 2.7 mg/kg, 24-36 hr at 5 mg/kg, and 8 hr at 20 mg/kg following hypoglossal paresis. CATTLE; JUVENILES; NERVES; TEXAS; LEAD POISONING; BLOOD; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; PANCREAS; SPINAL CORD; SPLEEN; LEAD; BIOACCUMULATION	Saudski, J. Bratton, G.R. Womac, C. Rowe, L. 1983 Bulletin of Environmental Contamination and Toxicology 30:435-441

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Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1 77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Cattle
Bos sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2000 Brain	Ingestion	AAS	19	a) 0.06-0.10 mg/kg b) 0.56-0.89 mg/kg c) 0.50-1.10 mg/kg d) Not applicable e) 0.05-0.09 mg/kg f) 0.38-0.60 mg/kg g) 0.41-1.05 mg/kg h) Not applicable Wet wt	a) 0.07 +or- 0.02 mg/kg b) 0.66 +or- 0.16 mg/kg c) 0.81 +or- 0.27 mg/kg d) 1.43 mg/kg e) 0.07 +or- 0.02 mg/kg f) 0.51 +or- 0.10 mg/kg g) 0.72 +or- 0.27 mg/kg h) 1.61 mg/kg Wet wt	a) Controls b) 2.7 mg/kg for 20 days c) 5 mg/kg for 7 days d) 20 mg/kg for 5 days e) Controls f) 2.7 mg/kg for 20 days g) 5 mg/kg for 7 days h) 20 mg/kg for 5 days Pb acetate doses and exposure times. a)-d) cerebrum, e)-h) cerebellum. Animals sacrificed when majority showed signs of intoxication. Holstein calves, age 9-12 wk, wt ca. 55 kg Depression, hypoglossal paresis, suckling problems, unsteadiness, truncal ataxia, muscular tremors, generalized seizures, opistotonus, death of respiratory failure. Seizures and death within 48-72 hr at 2.7 mg/kg, 24-36 hr at 5 mg/kg, and 8 hr at 20 mg/kg following hypoglossal paresis. CATTLE; JUVENILES; NERVES; TEXAS; LEAD POISONING; BLOOD; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; PANCREAS; SPINAL CORD; SPLEEN; LEAD; BIOACCUMULATION	Smudski, J. Bratton, G.R. Womac, C. Rowe, L. 1983 Bulletin of Environmental Contamination and Toxicology 30:439-44)

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Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Cattle
BOS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2089 Heart	Ingestion	AAS	a) 4 b) 4 c) 10 d) 1	a) 0.05-0.10 mg/kg b) 0.17-0.53 mg/kg c) 0.31-1.04 mg/kg d) Not applicable Wet wt	a) 0.07 +or- 0.02 mg/kg b) 0.33 +or- 0.18 mg/kg c) 0.59 +or- 0.25 mg/kg d) 1.64 mg/kg Wet wt	a) Controls b) 2.7 mg/kg for 20 days c) 5 mg/kg for 7 days d) 20 mg/kg for 5 days Pb acetate doses and exposure times. Animals sacrificed when majority showed signs of intoxication Holstein calves, age 9-12 wk, wt ca 55 kg Depression, hypoglossal paresis, suckling problems, unsteadiness, trunkal ataxia, muscular tremors, generalized seizures, opistotomus, death of respiratory failure. Seizures and death within 48-72 hr at 2.7 mg/kg, 24-36 hr at 5 mg/kg, and 8 hr at 20 mg/kg following hypoglossal paresis. CATTLE; JUVENILES; NERVES; TEXAS; LEAD POISONING; BLOOD; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; PANCREAS; SPINAL CORD; SPLEEN; LEAD; BIOACCUMULATION	Smudski, J. Bratton, G.R. Womac, C. Bove, L. 1983 Bulletin of Environmental Contamination and Toxicology 30:435-441
2090 Kidney	Ingestion	AAS	48	a) Not given b) Not given c) Not given	a) +or- 1.83 mg/kg b) +or- 1.39 mg/kg c) +or- 0.76 mg/kg Wet wt	a) Control pasture, Pensacola bahiagrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season 160 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Edds, G.T. West, R.L. 1981 Journal of Animal Science 53(1):146-153

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Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Cattle
BOS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2091 Kidney	Ingestion	AAS	a) 6 b) 6 c) 10 d) 1	a) 0.09-0.13 mg/kg b) 20.72-90.36 mg/kg c) 51.55-110.26 mg/kg d) Not applicable Wet wt	a) 0.11 +or- 0.02 mg/kg b) 49.69 +or- 32.54 mg/kg c) 88.00 +or- 19.50 mg/kg d) 82.92 mg/kg Wet wt	a) Controls b) 2.7 mg/kg for 20 days c) 5 mg/kg for 7 days d) 20 mg/kg for 5 days Pb acetate doses and exposure times. Animals sacrificed when majority showed signs of intoxication Holstein calves, age 9-12 wk, wt ca 55 kg Depression, hypoglossal paresis, suckling problems, unsteadiness, truncal ataxia, muscular tremors, generalized seizures, opistotonus, death of respiratory failure. Seizures and death within 48-72 hr at 2.7 mg/kg, 24-36 hr at 5 mg/kg, and 8 hr at 20 mg/kc following hypoglossal paresis. CATTLE; JUVENILES; NERVES; TEXAS; LEAD POISONING; BLOOD; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; PANCREAS; SPINAL CORD; SPLEEN; LEAD; BIOACCUMULATION	Smudski, J. Bratton, G.R. Woser, C. Rowe, L. 1983 Bulletin of Environmental Contamination and Toxicology 30:435-441
2092 Kidney		AAS	178	<0.02-0.71 mg/kg wet wt	0.06 +or- 0.08 mg/kg wet wt	From abattoirs in 10 selected 100-sq km areas representing a cross-section of industries. 114 samples below detection limit. Australia, Queensland CATTLE; AUSTRALIA; KIDNEYS; LIVER; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; SELENIUM; ZINC; BIOACCUMULATION; INDUSTRIAL AREAS	Kramer, H.L. Steiner, J.W. Valloly, P.J. 1983 Bulletin of Environmental Contamination and Toxicology 30:548-554

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Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Cattle
Bos sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2093 Liver	Ingestion	AAS	66	a) Not given b) Not given c) Not given	a) <or= 0.32 mg/kg b) <or= 0.31 mg/kg c) <or= 0.49 mg/kg Wet wt	a) Control pasture, Pensacola bahiagrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (76 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (72 metric tons)/ha applied before and during grazing season 168 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Edds, G.T. West, R.L. 1981 Journal of Animal Science 53(1):146-153
2094 Liver	Ingestion	AAS	a) 6 b) 6 c) 10 d) 1	a) 0.09-0.10 mg/kg b) 5.82-29.96 mg/kg c) 15.13-54.90 mg/kg d) Not applicable Wet wt	a) 0.13 +or- 0.04 mg/kg b) 19.88 +or- 11.76 mg/kg c) 36.51 +or- 11.67 mg/kg d) 37.11 mg/kg Wet wt	a) Controls b) 2.7 mg/kg for 20 days c) 5 mg/kg for 7 days d) 20 mg/kg for 5 days Pb acetate doses and exposure times. Animals sacrificed when majority showed signs of intoxication Holstein calves, age 9- [illegible] wk, wt ca 55 kg Depression, hypoglossal paresis, suckling problems, unsteadiness, truncal ataxia, muscular tremors, generalized seizures, opisthotonos, death of respiratory failure. Seizures and death within 60-72 hr at 2.7 mg/kg, 24-36 hr at 5 mg/kg, and 8 hr at 20 mg/kg following hypoglossal paresis. CATTLE; JUVENILES; NERVES; TEXAS; LEAD POISONING; BLOOD; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; PANCREAS; SPINAL CORD; SPLEEN; LEAD; BIOACCUMULATION	Smudski, J. Bratton, G.R. Womac, C. Rowe, L. 1983 Bulletin of Environmental Contamination and Toxicology 30:435-441

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Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Cattle
BOS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2095 Liver		AAS	160	<0.02-0.53 mg/kg wet wt	0.05 <or- 0.07 mg/kg wet wt	From abattoirs in 10 selected 100-sq km areas representing a cross-section of industries. 82 samples below detection limit. Australia, Queensland CATTLE; AUSTRALIA; KIDNEYS; LIVER; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; SELENIUM; ZINC; BIOACCUMULATION; INDUSTRIAL AREAS	Kramer, H.L. Steiner, J.W. Valley, P.J. 1983 Bulletin of Environmental Contamination and Toxicology 30:588-594
2096 Muscle	Ingestion	AAS	60	a) Not given b) Not given c) Not given	a) <0.10 mg/kg b) <or- 0.76 mg/kg c) <or- 0.62 mg/kg Wet wt	a) Control pasture, Pensacola bahiagrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season 168 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Edds, G.T. West, R.L. 1981 Journal of Animal Science 53(1):146-153

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Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1750 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Cattle
Bos sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2097 Muscle	Ingestion	AAS	a) 6 b) 6 c) 10 d) 1	a) 0.05-0.09 mg/kg b) 0.11-0.22 mg/kg c) 0.17-0.89 mg/kg d) Not applicable Wet wt	a) 0.07 +or- 0.02 mg/kg b) 0.17 +or- 0.05 mg/kg c) 0.36 +or- 0.29 mg/kg d) 0.93 mg/kg Wet wt	a) Controls b) 2.7 mg/kg for 20 days c) 5 mg/kg for 7 days d) 20 mg/kg for 5 days Pb acetate doses and exposure times. Animals sacrificed when majority showed signs of intoxication Holstein calves, age 9-13 wk, wt ca 55 kg Depression, hypoglossal paresis, buckling problems, unsteadiness, truncal ataxia, muscular tremors, generalized seizures, opistotonus, death of respiratory failure. Seizures and death within 48-72 hr at 2.7 mg/kg, 24-36 hr at 5 mg/kg, and 8 hr at 20 mg/kg following hypoglossal paresis. CATTLE; JUVENILES; NERVES; TEXAS; LEAD POISONING; BLOOD; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; PANCREAS; SPINAL CORD; SPLEEN; LEAD; BIOACCUMULATION	Imudahl, J. Bratton, G.R. Womac, C. Rowe, L. 1983 Bulletin of Environmental Contamination and Toxicology 30:435-441
2098 Muscle		AAS	181	<0.02-0.06 mg/kg wet wt	Not given	From abattoirs in 10 selected 100-sq km areas representing a cross-section of industries. 180 samples below detection limit. Australia, Queensland CATTLE; AUSTRALIA; KIDNEYS; LIVER; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; SELENIUM; ZINC; BIOACCUMULATION; INDUSTRIAL AREAS	Kramar, H.L. Steiner, J.W. Velleiy, P.J. 1983 Bulletin of Environmental Contamination and Toxicology 30:188-194

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Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1020 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Cattle
Bos sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2099 nerve	Ingestion	AAS	a) 6 b) 6 c) 10 d) 1	a) 0.04-0.07 mg/kg b) 0.33-0.65 mg/kg c) 0.70-1.61 mg/kg d) Not applicable wet wt	a) 0.06 +or- 0.01 mg/kg b) 0.53 +or- 0.15 mg/kg c) 0.96 +or- 0.19 mg/kg d) 1.58 mg/kg Wet wt	a) Controls b) 2.7 mg/kg for 20 days c) 5 mg/kg for 7 days d) 20 mg/kg for 5 days Pb acetate doses and exposure times. Sciatic nerve. Animals sacrificed when majority showed signs of intoxication. Holstein calves, age 9-12 wk, wt ca. 55 kg Depression, hypoglossal paresis, suckling problems, unsteadiness, truncal ataxia, muscular tremors, generalized seizures, opisthotonus, death of respiratory failure. Seizures and death within 48-72 hr at 2.7 mg/kg, 24-36 hr at 5 mg/kg, and 8 hr at 20 mg/kg following hypoglossal paresis. CATTLE; JUVENILES; NERVES; TEXAS; LEAD POISONING; BLOOD; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; PANCREAS; SPINAL CORD; SPLEEN; LEAD; BIOACCUMULATION	Baudaki, J. Bratton, G.R. Womac, C. Rowe, L. 1983 Bulletin of Environmental Contamination and Toxicology 30:435-441
2100 Pancreas	Ingestion	AAS	a) 6 b) 6 c) 10 d) 1	a) 0.05-0.09 mg/kg b) 2.00-4.26 mg/kg c) 2.38-12.91 mg/kg d) Not applicable Wet wt	a) 0.07 +or- 0.02 mg/kg b) 3.14 +or- 1.13 mg/kg c) 6.11 +or- 3.62 mg/kg d) 5.66 mg/kg Wet wt	a) Controls b) 2.7 mg/kg for 20 days c) 5 mg/kg for 7 days d) 20 mg/kg for 5 days Pb acetate doses and exposure times. Animals sacrificed when majority showed signs of intoxication Holstein calves, age 9-12 wk, wt ca 55 kg Depression, hypoglossal paresis, suckling problems, unsteadiness, truncal ataxia, muscular tremors, generalized seizures, opisthotonus, death of respiratory failure. Seizures and death within 48-72 hr at 2.7 mg/kg, 24-36 hr at 5 mg/kg, and 8 hr at 20 mg/kg following hypoglossal paresis. CATTLE; JUVENILES; NERVES; TEXAS; LEAD POISONING; BLOOD; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; PANCREAS; SPINAL CORD; SPLEEN; LEAD; BIOACCUMULATION	Baudaki, J. Bratton, G.R. Womac, C. Rowe, L. 1983 Bulletin of Environmental Contamination and Toxicology 30:435-441

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Lead
7439-92-1
Pb
AtW 207.2 MP 327.5 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Cattle
Bos sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2101 Spinal cord	Ingestion	AAS	a) 6 b) 6 c) 10 d) 1	a) 0.06-0.07 mg/kg b) 0.16-0.56 mg/kg c) 0.22-0.50 mg/kg d) Not applicable Wet wt	a) 0.06 +or- 0.01 mg/kg b) 0.32 +or- 0.21 mg/kg c) 0.34 +or- 0.10 mg/kg d) 0.82 mg/kg Wet wt	a) Controls b) 2.7 mg/kg for 20 days c) 5 mg/kg for 7 days d) 20 mg/kg for 5 days Pb acetate doses and exposure times. Animals sacrificed when majority showed signs of intoxication Holstein calves, age 9-12 wk, wt ca 55 kg Depression, hypoglossal paresis, suckling problems, unsteadiness, truncal ataxia, muscular tremors, generalized seizures, opisthotonus, death of respiratory failure. Seizures and death within 48-72 hr at 2.7 mg/kg, 24-36 hr at 5 mg/kg, and 8 hr at 20 mg/kg following hypoglossal paresis. CATTLE; JUVENILES; NERVES; TEXAS; LEAD POISONING; BLOOD; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; PANCREAS; SPINAL CORD; SPLEEN; LEAD; BIOACCUMULATION	Smudski, J. Bratton, G.R. Womac, C. Bove, L. 1983 Bulletin of Environmental Contamination and Toxicology 30:435-441
2101 Spleen	Ingestion	AAS	a) 6 b) 6 c) 10 d) 1	a) 0.05-0.10 mg/kg b) 0.53-0.87 mg/kg c) 1.07-3.51 mg/kg d) Not applicable Wet wt	a) 0.08 +or- 0.02 mg/kg b) 0.73 +or- 0.17 mg/kg c) 1.67 +or- 0.69 mg/kg d) 3.52 mg/kg Wet wt	a) Controls b) 2.7 mg/kg for 20 days c) 5 mg/kg for 7 days d) 20 mg/kg for 5 days Pb acetate doses and exposure times. Animals sacrificed when majority showed signs of intoxication Holstein calves, age 9-12 wk, wt ca 55 kg Depression, hypoglossal paresis, suckling problems, unsteadiness, truncal ataxia, muscular tremors, generalized seizures, opisthotonus, death of respiratory failure. Seizures and death within 48-72 hr at 2.7 mg/kg, 24-36 hr at 5 mg/kg, and 8 hr at 20 mg/kg following hypoglossal paresis. CATTLE; JUVENILES; NERVES; TEXAS; LEAD POISONING; BLOOD; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; PANCREAS; SPINAL CORD; SPLEEN; LEAD; BIOACCUMULATION	Smudski, J. Bratton, G.R. Womac, C. Bove, L. 1983 Bulletin of Environmental Contamination and Toxicology 30:435-441

Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Clam
MACOMA CONDATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2103 Body		AAS	62	Not given	<0.5 ug/g wet wt	Composite samples, adults collected 12/78 prior to operation of ore refinery Mississippi, St. Louis Bay (MS) MOLLUSCS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Crab

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2104 Body		AAS	12	0.66-3.89 ug/g wet wt	1.32 ug/g wet wt	Collected 6/81 in sewage outfall area. Mean sediment concentration 10 ug/g Wt 36.7-163.9 g Saudi Arabia, Arabian Gulf, AD-Dammam CRUSTACEANS; SAUDI ARABIA; JUVENILES; SEDIMENTS; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BIOACCUMULATION; WATER POLLUTION; BODY	Sadiq, M. Zaidi, T.H. Bode, A. Bian, A.A. 1983 Bulletin of Environmental Contamination and Toxicology 29:313-319

Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Crab, rock
CANCER IRRORATUS Say

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2105 Gills		AAS	97	0.2-52.0 ppm wet wt	3.8 +or- 6.9 ppm wet wt	0.85 ppm mean for newly molted crabs. Collected 12/78-6/80 near sewage disposal site Adults, 5.5-13 cm carapace width New York Bight Discolored or blackened gills in 31% of crabs. Dense growth of fouling organisms in 48% of discolored gills. Color not associated with microbial fouling, tissue pathology or metal concentration CRUSTACEANS; GILLS; NEW YORK; ADULTS; CADMIUM; COPPER; LEAD; SILVER; BIOACCUMULATION; WATER POLLUTION	Greig, R.A. Sawyer, T.E. Lewis, E.J. Galasso, M.E. 1982 Archives of Environmental Contamination and Toxicology 11:539-545

Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Deer, white-tailed
ODOCOILEUS VIRGINIANUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2106 Bone		Flame photometry	a) 8 b) 8 c) 8 d) 8 e) 8 f) 8	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given	a) 36.6 +or- 1.5 ug/g b) 36.6 +or- 0.9 ug/g c) 36.3 +or- 1.4 ug/g d) 35.7 +or- 1.2 ug/g e) 37.1 +or- 1.7 ug/g f) 36.0 +or- 1.3 ug/g	a) Lebanon County b) Cumberland County c) Adams County d) York County e) Dauphin County f) Lancaster County Mandibles. Collected during 1979 fall hunting season. 3 age groups: 5-6 mo, 17-19 mo, 30 mo and older. No significant effects of age or sex Pennsylvania DEER; PENNSYLVANIA; AGE; SEX; BONES; TEETH; LEAD; BIOACCUMULATION	Witkovski, S.A. Ault, S.R. Field, R.W. 1982 Bulletin of Environmental Contamination and Toxicology 28:561-565

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Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Deer, white-tailed
ODOCOILEUS VIRGINIANUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2107 Teeth		Flame photometry	a) 8 b) 8 c) 8 d) 8 e) 8 f) 8	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given	a) 38.8 +or- 1.5 ug/g b) 35.7 +or- 1.5 ug/g c) 36.1 +or- 1.6 ug/g d) 37.1 +or- 1.7 ug/g e) 37.2 +or- 1.3 ug/g f) 37.7 +or- 1.1 ug/g	a) Lebanon County b) Cumberland County c) Adams County d) York County e) Dauphin County f) Lancaster County Collected during 1979 fall hunting season. 3 age groups: 5-6 mo, 17-19 mo, 30 mo and older No significant effects of age or sex Pennsylvania DEER; PENNSYLVANIA; AGE; SEX; BONES; TEETH; LEAD; BIOACCUMULATION	Witkovski, S.A. Ault, S.R. Field, R.W. 1982 Bulletin of Environmental Contamination and Toxicology 28:561-565

Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Dove, ringed turtle
STREPTOPELIA RISORIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2108 Blood	Ingestion	AAS	20	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 10.75 +or- 6.09 ug% b) 169.00 +or- 22.19 ug% c) 311.80 +or- 63.76 ug% d) 88.00 +or- 12.70 ug% e) 326.75 +or- 26.92 ug% f) 80.67 +or- 19.80 ug% g) 395.00 +or- 100.56 ug%	a) Controls b) 25 ug/g body wt, after 5 hr c) 75 ug/g body wt, after 5 hr d) 25 ug/g body wt, after 30 hr e) 75 ug/g body wt, after 30 hr f) 25 ug/g body wt, after 168 hr g) 75 ug/g body wt, after 168 hr Daily doses for 7 days Adults from captive colony, mean wt 150.5 g Weight loss and seizures at 75 ug/g Reduced hemoglobin and delta-aminolevulinic acid dehydratase levels BIRDS; VIRGINIA; ADULTS; LEAD POISONING; BLOOD; BRAIN; KIDNEYS; LIVER; BIOACCUMULATION; LEAD	Kendall, R.J. Scanlon, P.F. 1982 Environmental Pollution (Series A) 27:255-262

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Lead
7439-92-1
Pb
AtW 207.2, MP 327.6 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Dove, ringed turtle
STREPTOPELIA RISORIA

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2109 Blood	Ingestion	AAS	16	a) Not given b) Not given c) Not given d) Not g...n e) Not given f) Not given	a) 2.75 +or- 3.25 ug/ml b) 669.83 +or- 72.02 ug/ml c) 553.60 +or- 63.89 ug/ml 0.33 +or- 0.33 ug/ml e) 102.00 +or- 17.69 ug/ml f) 245.50 +or- 96.20 ug/ml	a) Controls b) 1 day after 2 Pb shot (110 mg/shot) c) 1 day after 4 Pb shot d) Controls e) 14 days after 2 Pb shot f) 14 days after 4 Pb shot Adults from captive colony Reduced delta-aminolevulinic acid dehydratase activity, 5% weight loss over 14 days. BIRDS; VIRGINIA; ADULTS; LEAD POISONING; BLOOD; BRAIN; KIDNEYS; LIVER; LEAD; BIOACCUMULATION	Kendall, R.J. Scanlon, P.F. Di Guilio, R.T. 1982 Archives of Environmental Contamination and Toxicology 11:259-263
2110 Brain	Ingestion	AAS	a) 5 b) 5 c) 5 d) 5	a) Not given b) Not given c) Not given d) Not given	a) 3.03 +or- 1.02 ug/g b) 6.15 +or- 0.59 ug/g c) 6.13 +or- 0.90 ug/g d) 12.41 +or- 3.36 ug/g Dry wt	a) Controls b) 75 ug/g body wt c) 50 ug/g body wt d) 75 ug/g body wt Daily doses for 7 days Adults from captive colony, mean wt 150.5 g Weight loss and seizures at 75 ug/g Reduced hemoglobin and delta-aminolevulinic acid dehydratase levels BIRDS; VIRGINIA; ADULTS; LEAD POISONING; BLOOD; BRAIN; KIDNEYS; LIVER; BIOACCUMULATION; LEAD	Kendall, R.J. Scanlon, P.F. 1982 Environmental Pollution (Series A) 27:255-262
2111 Brain	Ingestion	AAS	a) 6 b) 6 c) 6	a) Not given b) Not given c) Not given	a) 3.12 +or- 0.65 ug/g b) 6.82 +or- 1.33 ug/g c) 8.74 +or- 1.13 ug/g Dry wt	a) Controls b) 2 Pb shot (110 mg/shot) c) 4 Pb shot 14 days after ingestion. Adults from captive colony Reduced delta-aminolevulinic acid dehydratase activity, 5% weight loss over 14 days. BIRDS; VIRGINIA; ADULTS; LEAD POISONING; BLOOD; BRAIN; KIDNEYS; LIVER; LEAD; BIOACCUMULATION	Kendall, R.J. Scanlon, P.F. Di Guilio, R.T. 1982 Archives of Environmental Contamination and Toxicology 11:259-263

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Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1600 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Dove, ringed turtle
STREPTOPELIA RISORIA

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2112 Kidney	Ingestion	AAS	a) 5 b) 5 c) 5 d) 5	a) Not given b) Not given c) Not given d) Not given	a) 8.23 +or- 1.61 ug/g b) 84.67 +or- 17.52 ug/g c) 186.38 +or- 27.75 ug/g d) 456.91 +or- 153.66 ug/g Dry wt	a) Controls b) 25 ug/g body wt c) 50 ug/g body wt d) 75 ug/g body wt Daily doses for 7 days Adults from captive colony, mean wt 150.5 g Weight loss and seizures at 75 ug/g Reduced hemoglobin and delta-aminolevulinic acid dehydratase levels BIRDS; VIRGINIA; ADULTS; LEAD POISONING; BLOOD; BRAIN; KIDNEYS; LIVER; BIOACCUMULATION; LEAD	Kendall, R.J. Scanlon, P.F. 1982 Environmental Pollution (Series A) 27:255-262
2113 Kidney	Ingestion	AAS	a) 6 b) 6 c) 6	a) Not given b) Not given c) Not given	a) 1.09 +or- 0.65 ug/g b) 618.26 +or- 211.93 ug/g c) 879.13 +or- 262.73 ug/g Wet wt	a) Controls b) 2 Pb shot (110 mg/shot) c) 4 Pb shot 14 days after ingestion. Adults from captive colony Reduced delta-aminolevulinic acid dehydratase activity, 5% weight loss over 14 days. BIRDS; VIRGINIA; ADULTS; LEAD POISONING; BLOOD; BRAIN; KIDNEYS; LIVER; LEAD; BIOACCUMULATION	Kendall, R.J. Scanlon, P.F. Di Guilio, R.T. 1982 Archives of Environmental Contamination and Toxicology 11:259-263
2114 Liver	Ingestion	AAS	a) 5 b) 5 c) 5 d) 5	a) Not given b) Not given c) Not given d) Not given	a) 1.7 +or- 0.32 ug/g b) 10.71 +or- 3.36 ug/g c) 10.69 +or- 1.51 ug/g d) 2..59 +or- 10.71 ug/g Dry wt	a) Controls b) 25 ug/g body wt c) 50 ug/g body wt d) 75 ug/g body wt Daily doses for 7 days Adults from captive colony, mean wt 150.5 g Weight loss and seizures at 75 ug/g Reduced hemoglobin and delta-aminolevulinic acid dehydratase levels BIRDS; VIRGINIA; ADULTS; LEAD POISONING; BLOOD; BRAIN; KIDNEYS; LIVER; BIOACCUMULATION; LEAD	Kendall, R.J. Scanlon, P.F. 1982 Environmental Pollution (Series A) 27:255-262

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Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at >:0 C, 10 mm Hg at 1160 C
Dove, ringed turtle
STREPTOPELIA RISORIA

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2115 Liver	Ingestion	AAS	a) 6 b) 6 c) 6	a) Not given b) Not given c) Not given	a) 0.67 +or- 0.28 ug/g b) 9.20 +or- 1.96 ug/g c) 19.10 +or- 5.07 ug/g Dry wt	a) Controls b) 2 Pb shot (110 mg/shot) c) 4 Pb shot 14 days after ingestion. Adults from captive colony Reduced delta-aminolevulinic acid dehydratase activity. 5% weight loss over 14 days. BIRDS; VIRGINIA; ADULTS; LEAD POISONING; BLOOD; BRAIN; KIDNEYS; LIVER; LEAD; BIOACCUMULATION	Kendall, R.J. Scanlon, P.F Di Guilio, R.T. 1982 Archives of Environmental Contamination and Toxicology 11:259-263

Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Duck, mallard
ANAS PLATYRHYNCHOS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2116 Blood	Ingestion	AAS	a) 16 b) 16	a) Not given b) Not given	a) 0.06 +or- 0.01 ppm b) 0.98 +or- 0.18 ppm	a) Controls b) 1 mo after one No. 4 Pb shot (ca. 200 mg Pb) First-year breeding pairs 75% inhibition of delta-aminolevulinic acid dehydratase activity BIRDS; BIOACCUMULATION; ENZYMES; LEAD; MARYLAND; ADULTS; LEAD POISONING; BLOOD; BRAIN; LIVER	Dieter, M.P. Finley, M.T. 1979 Environmental Research 19:127-135

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Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Duck, mallard
ANAS PLATYRHYNCHOS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2117 Brain	Ingestion	AAS	a) 16 b) 16	a) Not given b) Not given	a) 0.06 +or- 0.0; ppm b) 0.43 +or- 0.09 ppm	a) Controls b) 1 mo after one No. 4 Pb shot (ca. 200 mg Pb) First-year breeding pairs 50% inhibition of delta-aminolevulinic dehydratase activity in cerebellum, 35% in cerebrum. Increase of butyrylcholinesterase activity in cerebellum BIRDS; BIOACCUMULATION; ENZYMES; LEAD; MARYLAND; ADULTS; LEAD POISONING; BLOOD; BRAIN; LIVER	Dieter, M.P. Finley, M.T. 1979 Environmental Research 19:127-135
2118 Liver	Ingestion	AAS	a) 16 b) 16	a) Not given b) Not given	a) 0.16 +or- 0.07 ppm b) 2.42 +or- 0.89 ppm	a) Controls b) 1 mo after one No. 4 Pb shot (ca. 200 mg Pb) First-year breeding pairs 50% inhibition of delta-aminolevulinic dehydratase activity BIRDS; BIOACCUMULATION; ENZYMES; LEAD; MARYLAND; ADULTS; LEAD POISONING; BLOOD; BRAIN; LIVER	Dieter, M.P. Finley, M.T. 1979 Environmental Research 19:127-135

Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Dunlin
CALIDRIS ALPINA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2119 Liver		AAS	1	Not applicable	<0.6 mg/kg dry wt	Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Goose, white Chinese

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2120 Bone	Ingestion	AAS	a) 2 b) 2 c) 2 d) 2 e) 2 f) 2	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given	a) 3.0 ppm b) 542.4 ppm c) 2.0 ppm d) 637.7 ppm e) 4.5 ppm f) 516.9 ppm	a) Whole corn b) Whole corn + 5 No. 8 shot 2X/wk c) Ground corn d) Ground corn + 5 No. 8 shot 2X/wk e) Ground corn + alfalfa + vitamins f) Ground corn + alfalfa + vitamins + 5 No. 8 shot 2X/wk Diets for 6 wk. Age 28 wk GEESE; LEAD; BIOACCUMULATION; DIETS; BONES; LIVER; FLORIDA	Johnson, W.L. Damron, B.L. 1982 Bulletin of Environmental Contamination and Toxicology 29:177-183
2121 Liver	Ingestion	AAS	a) 2 b) 2 c) 2 d) 2 e) 2 f) 2	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given	a) Not detected b) 38.6 ppm c) Not detected d) 36.5 ppm e) 0.6 ppm f) 31.2 ppm	a) Whole corn b) Whole corn + 5 No. 8 shot 2X/wk c) Ground corn d) Ground corn + 5 No. 8 shot 2X/wk e) Ground corn + alfalfa + vitamins f) Ground corn + alfalfa + vitamins + 5 No. 8 shot 2X/wk Diets for 6 wk. Age 28 wk No significant effects on body wt gains and daily feed intake. GEESE; LEAD; BIOACCUMULATION; DIETS; BONES; LIVER; FLORIDA	Johnson, W.L. Damron, B.L. 1982 Bulletin of Environmental Contamination and Toxicology 29:177-183

Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Grebe, little
TACHYBAPTUS RUFICOLLIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2122 Liver		AAS	1	Not applicable	<0.6 mg/kg dry wt	Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, C.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Lapwing
VANELLUS VANELLUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2123 Liver		AAS	1	Not applicable	<0.6 mg/kg dry wt	Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Loon, common
GAVIA IMMER

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2124 Kidney	Ingestion	AAS	2	18.7-61.4 ppm wet wt	38.6 ppm wet wt	Adults, dying of lead poisoning (Pb sinkers found in stomach) New Hampshire Wisconsin Emaciation BIRDS; MAINE; DELAWARE; WISCONSIN; MICHIGAN; NEW HAMPSHIRE; TEXAS; KIDNEYS; LIVER; LEAD; BIOACCUMULATION	Locke, L.N. Kerr, S.M. Sileo, L. 1981 Avian Diseases 25(2):392-396

(NEXT PAGE)

Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Loon, common
GAVIA IMMER

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2125 Liver	Ingestion	AAS	a) 3 b) 13	a) 20.6-66.1 ppm b) Not applicable Wet wt	a) 35.1 ppm b) <1.0 ppm Wet wt	a) Adult birds, dying of lead poisoning (Pb sinkers found in stomach of 2 birds) b) Adult and immature birds, dead of other causes New Hampshire Wisconsin Maine Michigan Delaware Texas Emaciation BIRDS; MAINE; DELAWARE; WISCONSIN; MICHIGAN; NEW HAMPSHIRE; TEXAS; KIDNEYS; LIVER; LEAD; BIOACCUMULATION	Locke, L.N. Zorr, S.M. Koronaki, D. 1981 Avian Diseases 26(2):392-396

Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Mollusk
CRASSOSTREA MARGARITACEA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2126 Body		AAS	10	a) Not given b) Not given	a) 0.08 +or- 0.04 ug/g b) 1.78 +or- 0.79 ug/g Wet wt	a) Controls b) 100 ug/l for 3 wk South Africa, Knysna Heads MOLLUSKS; BIOACCUMULATION; BIOINDICATORS; WATER POLLUTION; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BODY; SOUTH AFRICA	Watling, H.R. 1983 Bulletin of Environmental Contamination and Toxicology 30:317-322

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Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Mollusk
CRASSOSTREA MARGARITACEA

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2127 Body		AAS	10	a: Not given b: Not given	a: 0.22 +or- 0.05 ug/g b: 2.53 +or- 0.66 ug/g Wet wt	a: Controls b: 100 ug/l for 3 wk South Africa, Knysna Heads MOLLUSKS; BIOACCUMULATION; BIOINDICATORS; WATER POLLUTION; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BODY; SOUTH AFRICA	Watling, H.R. 1983 Bulletin of Environmental Contamination and Toxicology 30:317-322
2128 Body		AAS	10	a: Not given b: Not given	a: 0.15 +or- 0.06 ug/g b: 3.32 +or- 0.72 ug/g Wet wt	a: Controls b: 100 ug/l for 3 wk South Africa, Cape Town, Bloubergstrand MOLLUSKS; BIOACCUMULATION; BIOINDICATORS; WATER POLLUTION; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BODY; SOUTH AFRICA	Watling, H.R. 1983 Bulletin of Environmental Contamination and Toxicology 30:317-322

Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Emerbea
GALLINULA CHLOROPUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2129 Liver		AAS	5	Not given	<0.6 ug/kg dry wt	Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Lead
7439-92-1
Pb
AtW 207.2, MP 327.5 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Mussel
MYTILUS EDULIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2130 Body		AAS	a: 12 b: 12 c: 8	a: Not given b: Not given c: Not given	a: 1 +or- 1 ug/g b: 0.7 +or- 0.6 ug/g c: 0.8 +or- 0.3 ug/g Dry wt	a: Frozen b: Preserved in 10% buffered formaldehyde c: Preserved in 10% formaldehyde Soft tissue wet wt 2.7-20.6 g Maine MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klucek, C.S. Holt, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207

Lead
7439-92-1
Pb
AtW 207., MP 327.5 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Mussel, freshwater
BLIPTIO CORPLANATUS, LAMPSILUS RADIATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2131 Body		AAS	a: Several 100 b: 35	a: Not given b: Not given	a: 12 +or- 9.5 ug/g b: 9.8 +or- 6.5 ug/g Dry wt	a: Homogenized in food processor with stainless-steel blades b: Unhomogenized Soft tissue, muscle wet wt 2-12 g New York, Lake George TELLURIUM; MOLLUSKS; NEW YORK; BODY; MUSCLE; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION; FISHES	Holt, M. Klucek, C.S. 1982 Science of the Total Environment 24:129-134

Lead
7439-92-1
Pb
AIM 207.2, AP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Otter, river
LUTRA CANADENSIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	SAMPLE	MEAN	GENERAL INFORMATION	REFERENCE
2132 Bone		AAS	a: 190 b: 70	a: <0.00-35.16 mg/g b: <0.00-10.13 mg/g Dry wt	a: 1.91 +or- 0.22 mg/g b: 5.21 +or- 0.63 mg/g Dry wt	a: 1979-80 b: 1980-81 Collected during trapping seasons Virginia, Tidewater region OTTERS; CADMIUM; COPPER; LEAD; ZINC; BIOACCUMULATION; WATER POLLUTION; BONES; KIDNEYS; LIVER; VIRGINIA	Anderson-Bledsoe, E.L. Scanlon, P.F. 1983 Bulletin of Environmental Contamination and Toxicology 30:662-667
2133 Kidney		AAS	a: 221 b: 169	a: <0.00-0.00 mg/g b: <0.00-0.75 mg/g Dry wt	a: 0.01 +or- 0.07 mg/g b: 1.68 +or- 0.15 mg/g Dry wt	a: 1979-80 b: 1980-81 Collected during trapping seasons Virginia, Tidewater region OTTERS; CADMIUM; COPPER; LEAD; ZINC; BIOACCUMULATION; WATER POLLUTION; BONES; KIDNEYS; LIVER; VIRGINIA	Anderson-Bledsoe, E.L. Scanlon, P.F. 1983 Bulletin of Environmental Contamination and Toxicology 30:662-667
2134 Liver		AAS	a: 226 b: 131	a: <0.00-55.09 mg/g b: <0.00-16.97 mg/g Dry wt	a: 1.00 +or- 0.62 mg/g b: 3.63 +or- 0.37 mg/g Dry wt	a: 1979-80 b: 1980-81 Collected during trapping seasons Virginia, Tidewater region OTTERS; CADMIUM; COPPER; LEAD; ZINC; BIOACCUMULATION; WATER POLLUTION; BONES; KIDNEYS; LIVER; VIRGINIA	Anderson-Bledsoe, E.L. Scanlon, P.F. 1983 Bulletin of Environmental Contamination and Toxicology 30:662-667

Lead
7439-92-1
Pb
ASW 207.2, BP 327.5 C, DP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Oyster
OSTREA EDULIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2135 Body		AAS	20	0.15-5.0 ppm dry wt	0.6 ppm dry wt Geometric mean	Collected 10/80 in estuary draining mineralized catchment area Commercial size oysters United Kingdom, Lynher Estuary MOLLUSKS; UNITED KINGDOM; BODY; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION; WATER POLLUTION	Bland, P. Ackroyd, D.R. Marsh, J.G. Hillward, G.R. 1982 Science of the Total Environment 22:235-241
2136 Body		AAS		Not given	<0.5 ug/g wet wt	Collected 12/78 prior to operation of ore refinery. Shucked wet wt 0.5-11.7 g Mississippi, St. Louis Bay (SW) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Lead
7439-92-1
Pb
ASW 207.2, BP 327.5 C, DP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Oyster, Pacific
CRASSOSTREA GIGAS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2137 Body		AAS	10	a) Not given b) Not given	a) <0.05 ug/g b) 7.36 +or- 1.26 ug/g Wet wt	a) Controls b) 100 ug/l for 3 wk South Africa, Knysna Heads MOLLUSKS; BIOACCUMULATION; BIOINDICATORS; WATER POLLUTION; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BODY; SOUTH AFRICA	Watling, H.R. 1983 Bulletin of Environmental Contamination and Toxicology 30:317-322

Lead
7439-92-1
Pb
At# 207.2, MP 327.4 C, BP 1740 C, SG 11.77 gm/cc at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Plover, golden
PLUVIALIS APRICARIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
3130 Liver		AAS	4	Not given	<0.6 ug/kg dry wt	Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Lead
7439-92-1
Pb
At# 207.2, MP 327.4 C, BP 1740 C, SG 11.77 gm/cc at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Shrimp
PENAEUS SEMISULCATUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
3139 Body		AAS	53	0.25-1.33 ug/g wet wt	0.73 ug/g wet wt	Collected 6/81 in sewage outfall area. Mean sediment concentration 10 ug/g Juveniles, wt 2.6-10.1 g Saudi Arabia, Arabian Gulf, Al-Dammam CRUSTACEANS; SAUDI ARABIA; JUVENILES; SEDIMENTS; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BIOACCUMULATION; WATER POLLUTION; BODY	Sadiq, M. Zaidi, T.H. Bode, A. Rico, A.A. 1982 Bulletin of Environmental Contamination and Toxicology 29:313-319

Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Snipe, Jack
LYMNOCRYPTES MINIMUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	BASIS	MEAN	GENERAL INFORMATION	REFERENCE
2160 Liver		AAS	1	Not applicable	<0.6 mg/kg dry wt	Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Tern, royal
THALASSEUS MAXIMUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	BASIS	MEAN	GENERAL INFORMATION	REFERENCE
2161 Bone		AAS	a: 3 b: 3 c: 9	a: Not given b: Not given c: Not given	a: 0.05 +or- 0.06 ug/g b: 0.16 +or- 0.07 ug/g c: 2.66 +or- 1.27 ug/g Dwt wt	a: Downy young (age 10-20 days, mean wt 300 g, mean length 26 cm) b: Fledglings (mean wt 382 g, mean length 31 cm) c: Adults (mean wt 422 g, mean length 47 cm) Collected 5-6/79 Texas, Galveston Bay, South Deer Island BIRDS; JUVENILES; EGGS; TEXAS; ADULTS; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; CADMIUM; LEAD; BIOACCUMULATION	Hoedgen, J.L. Eacher, C.S. Schroder, G.D. Wolf, F.W. 1982 Archives of Environmental Contamination and Toxicology 11:99-102

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Lead
7039-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Term, royal
THALASSEUS MAXIMUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2102 Brain		AAS	a) 5 b) 5 c) 7	a) Not given b) Not given c) Not given	a) 0.35 +or- 0.28 ug/g b) 0.34 +or- 0.20 ug/g c) 0.30 +or- 0.16 ug/g Wet wt	a) Downy young (age 10-20 days, mean wt 300 g, mean length 26 cm) b) Prefledglings (mean wt 342 g, mean length 31 cm) c) Adults (mean wt 422 g, mean length 47 cm) Collected 5-6/79 Texas, Galveston Bay, South Deer Island BIRDS; JUVENILES; EGGS; TEXAS; ADULTS; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; CADMIUM; LEAD; BIOACCUMULATION	Haedgen, J.L. Hacker, C.S. Schroder, G.D. Weir, F.W. 1982 Archives of Environmental Contamination and Toxicology 11:99-102
2103 Eggs		AAS		Not given	0.01 +or- 0.009 ug/g wet wt	Shell and contents Collected 5-6/79 Texas, Galveston Bay, South Deer Island BIRDS; JUVENILES; EGGS; TEXAS; ADULTS; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; CADMIUM; LEAD; BIOACCUMULATION	Haedgen, J.L. Hacker, C.S. Schroder, G.D. Weir, F.W. 1982 Archives of Environmental Contamination and Toxicology 11:99-102
2104 Heart		AAS	a) 5 b) 5 c) 9	a) Not given b) Not given c) Not given	a) 0.04 +or- 0.04 ug/g b) 0.07 +or- 0.05 ug/g c) 0.34 +or- 0.30 ug/g Wet wt	a) Downy young (age 10-20 days, mean wt 300 g, mean length 26 cm) b) Prefledglings (mean wt 342 g, mean length 31 cm) c) Adults (mean wt 422 g, mean length 47 cm) Collected 5-6/79 Texas, Galveston Bay, South Deer Island BIRDS; JUVENILES; EGGS; TEXAS; ADULTS; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; CADMIUM; LEAD; BIOACCUMULATION	Haedgen, J.L. Hacker, C.S. Schroder, G.D. Weir, F.W. 1982 Archives of Environmental Contamination and Toxicology 11:99-102

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Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Tern, royal
THALASSEUS MAXIMUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2145 Kidney		AAS	a) 5 b) 5 c) 9	a) Not given b) Not given c) Not given	a) 0.29 +or- 0.17 ug/g b) 0.37 +or- 0.24 ug/g c) 1.13 +or- 2.98 ug/g Wet wt	a) Downy young (age 10-20 days, mean wt 300 g, mean length 26 cm) b) Prefledglings (mean wt 342 g, mean length 31 cm) c) Adults (mean wt 422 g, mean length 47 cm) Collected 5-6/79 Texas, Galveston Bay, South Deer Island BIRDS; JUVENILES; EGGS; TEXAS; ADULTS; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; CADMIUM; LEAD; BIOACCUMULATION	Haedgen, J.L. Hacker, C.S. Schroder, G.D. Weir, F.W. 1982 Archives of Environmental Contamination and Toxicology 11:99-102
2146 Liver		AAS	a) 5 b) 5 c) 9	a) Not given b) Not given c) Not given	[illegible] -or- 0.03 b) 0.16 +or- 0.04 ug/g c) 0.43 +or- 0.10 ug/g Wet wt	a) Downy young (age 10-20 days, mean wt 300 g, mean length 26 cm) b) Prefledglings (mean wt 342 g, mean length 31 cm) c) Adults (mean wt 422 g, mean length 47 cm) Collected 5-6/79 Texas, Galveston Bay, South Deer Island BIRDS; JUVENILES; EGGS; TEXAS; ADULTS; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; CADMIUM; LEAD; BIOACCUMULATION	Haedgen, J.L. Hacker, C.S. Schroder, G.D. Weir, F.W. 1982 Archives of Environmental Contamination and Toxicology 11:99-102
2147 Muscle		AAS	a) 5 b) 5 c) 9	a) Not given b) Not given c) Not given	a) 0.03 +or- 0.05 ug/g b) 0.00 +or- 0.05 ug/g c) 0.31 -or- 0.36 ug/g Wet wt	a) Downy young (age 10-20 days, mean wt 300 g, mean length 26 cm) b) Prefledglings (mean wt 342 g, mean length 31 cm) c) Adults (mean wt 422 g, mean length 47 cm) Collected 5-6/79 Texas, Galveston Bay, South Deer Island BIRDS; JUVENILES; EGGS; TEXAS; ADULTS; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; CADMIUM; LEAD; BIOACCUMULATION	Haedgen, J.L. Hacker, C.S. Schroder, G.D. Weir, F.W. 1982 Archives of Environmental Contamination and Toxicology 11:99-102

Lead
7439-92-1
Pb
Atw 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Tern, sandwich
THALASSEUS SANDVICENSIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2100 Bone		AAS	a) 5 b) 5 c) 10	a) Not given b) Not given c) Not given	a) 0.02 +or- 0.02 ug/g b) 0.13 +or- 0.09 ug/g c) 1.14 +or- 2.68 ug/g Wet wt	a) Downy young (age 10-20 days, mean wt 168 g, mean length 22 cm) b) Prefledglings (mean wt 178 g, mean length 25 cm) c) Adults (mean wt 198 g, mean length 34 cm) Collected 5-6/79 Texas, Galveston Bay, South Deer Island BIRDS; JUVENILES; EGGS; TEXAS; ADULTS; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; CADMIUM; LEAD; BIOACCUMULATION	Haedgen, J.L. Hacker, C.S. Schroder, G.D. Weir, F.W. 1982 Archives of Environmental Contamination and Toxicology 11:99-102
2100 Brain		AAS	a) 5 b) 5 c) 9	a) Not given b) Not given c) Not given	a) 0.03 +or- 0.03 ug/g b) 0.16 +or- 0.06 ug/g c) 0.81 +or- 0.33 ug/g Wet wt	a) Downy young (age 10-20 days, mean wt 168 g, mean length 22 cm) b) Prefledglings (mean wt 178 g, mean length 25 cm) c) Adults (mean wt 198 g, mean length 34 cm) Collected 5-6/79 Texas, Galveston Bay, South Deer Island BIRDS; JUVENILES; EGGS; TEXAS; ADULTS; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; CADMIUM; LEAD; BIOACCUMULATION	Haedgen, J.L. Hacker, C.S. Schroder, G.D. Weir, F.W. 1982 Archives of Environmental Contamination and Toxicology 11:99-102
2150 Eggs		AAS		Not given	0.02 +or- 0.025 ug/g wet wt	Shell and contents Collected 5-6/79 Texas, Galveston Bay, South Deer Island BIRDS; JUVENILES; EGGS; TEXAS; ADULTS; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; CADMIUM; LEAD; BIOACCUMULATION	Haedgen, J.L. Hacker, C.S. Schroder, G.D. Weir, F.W. 1982 Archives of Environmental Contamination and Toxicology 11:99-102

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Lead
7439-92-1
Pb
AtW 207.2, MP 327.5 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1169 C
Tern, sandwich
THALASSEUS SANDVICENSIS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2151 Heart		AAS	a) 5 b) 5 c) 11	a) Not given b) Not given c) Not given	a) 0.08 +or- 0.06 ug/g b) 0.06 +or- 0.04 ug/g c) 0.13 +or- 0.08 ug/g Wet wt	a) Downy young (age 10-20 days, mean wt 168 g, mean length 22 cm) b) Prefledglings (mean wt 178 g, mean length 25 cm) c) Adults (mean wt 198 g, mean length 34 cm) Collected 5-6/79 Texas, Galveston Bay, South Deer Island BIRDS; JUVENILES; EGGS; TEXAS; ADULTS; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; CADMIUM; LEAD; BIOACCUMULATION	Haedgen, J.L. Hacker, C.S. Schroder, G.D. Weir, F.W. 1982 Archives of Environmental Contamination and Toxicology 11:99-102
2152 Kidney		AAS	a) 5 b) 5 c) 10	a) Not given b) Not given c) Not given	a) 0.17 +or- 0.03 ug/g b) 0.14 +or- 0.01 ug/g c) 0.83 +or- 1.54 ug/g Wet wt	a) Downy young (age 10-20 days, mean wt 168 g, mean length 22 cm) b) Prefledglings (mean wt 178 g, mean length 25 cm) c) Adults (mean wt 198 g, mean length 34 cm) Collected 5-6/79 Texas, Galveston Bay, South Deer Island BIRDS; JUVENILES; EGGS; TEXAS; ADULTS; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; CADMIUM; LEAD; BIOACCUMULATION	Haedgen, J.L. Hacker, C.S. Schroder, G.D Weir, F.W. 1982 Archives of Environmental Contamination and Toxicology 11:99-102
2153 Liver		AAS	a) 5 b) 5 c) 10	a) Not given b) Not given c) Not given	a) 0.11 +or- 0.05 ug/g b) 0.24 +or- 0.05 ug/g c) 0.53 +or- 0.20 ug/g Wet wt	a) Downy young (age 10-20 days, mean wt 168 g, mean length 22 cm) b) Prefledglings (mean wt 178 g, mean length 25 cm) c) Adults (mean wt 198 g, mean length 34 cm) Collected 5-6/79 Texas, Galveston Bay, South Deer Island BIRDS; JUVENILES; EGGS; TEXAS; ADULTS; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; CADMIUM; LEAD; BIOACCUMULATION	Haedgen, J.L. Hacker, C.S. Schroder, G.D. Weir, F.W. 1982 Archives of Environmental Contamination and Toxicology 11:99-102

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Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Tern, sandwich
THALASSEUS SANDVICENSIS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2150 Muscle		AAS	a) 5 b) 5 c) 11	a) Not given b) Not given c) Not given	a) 0.09 +or- 0.05 ug/g b) 0.0) +or- 0.02 ug/g c) 0.30 +or- 0.31 ug/g Wet wt	a) Downy young (age 10-20 days, mean wt 168 g, mean length 22 cm) b) Prefledglings (mean wt 178 g, mean length 25 cm) c) Adults (mean wt 198 g, mean length 34 cm) Collected 5-6/79 Texas, Galveston Bay, South Deer Island BIRDS; JUVENILES; EGGS; TEXAS; ADULTS; BONES; BRAIN; HEART; KIDNEYS; LIVER; MUSCLES; CADMIUM; LEAD; BIOACCUMULATION	Haedgas, J.L. Hacker, C.S. Schroder, G.D. Weir, F.W. 1982 Archives of Environmental Contamination and Toxicology 11:99-102

Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Whiting
MERLUCCIUS BILINEARIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2155 Liver		AAS	a) 10 b) 10 c) 10	a) Not given b) Not given c) Not given	a) 0.12 +or- 0.08 ug/g b) 0.17 +or- 0.04 ug/g c) 0.4 +or- 0.2 ug/g Dry wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Mean wt 330 g, mean length 36 cm New York Bight, Rockaway Inlet MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Holt, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207

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Lead
7439-92-1
Pb
AtW 207.2, MP 327.4 C, BP 1740 C, VP 1.77 mm Hg at 1000 C, 1 mm Hg at 970 C, 10 mm Hg at 1160 C
Whiteg
MERLUCCIUS BILBARIS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2156 Muscle		AAS	a) 10 b) 10 c) 10	a) Not given b) Not given c) Not given	a) 0.2 +or- 0.1 ug/g b) 0.08 +or- 0.05 ug/g c) 0.04 +or- 0.02 ug/g Dry wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Mean wt 330 g, mean length 36 cm New York Bight, Rockaway Inlet MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Holt, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207

m-Toluidine, N-benzyl-N-ethyl- (8 CI)
Benzenemethanamine, N-ethyl-N-(3-methylphenyl)- (9 CI)
119-94-4
C16-H19-N
MW 225.34
Carp
CYPRINUS CARPIO

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2157 Muscle		GC		a) <1-1 ppb b) Not given c) Not given	a) Not given b) 10 ppb c) 5 ppb	a) 1 mile upstream b) 100 yards downstream c) 4 miles downstream Near dyestuff manufacturing plant Fillet composites New York, Buffalo River AMINES; BODY; MUSCLES; MEASUREMENT METHODS; NEW JERSEY; NEW YORK; BIOACCUMULATION; FISHES; INDUSTRIAL EMISSIONS; WATER POLLUTION	Diachenko, G.W. 1979 Environmental Science and Technology 13(3):329-333

Manganese
7439-96-5
Mn
AtW 54.9380, MP 1206 C, BP 2095 C, VP 1 mm Hg at 1292 C, 10 mm Hg at 1510 C
Char
SALVELINUS ALPINUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2150 Bone		AAS	a: 10 b: 10	a: 10-105 ug/l b: 19-96 ug/l Dry wt	a: 49.8 ug/l b: 60.6 ug/l Dry wt	a: Llyn Peris b: Llyn Padarn Collected 11/74 in adjoining lakes contaminated by mineral deposits and mining deposits. Age 1-6 yr, length 60-240 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cove, I.G. 1982 Environmental Pollution (Series A) 29:101-110
2159 Kidney		AAS	a: 10 b: 10	a: Not given b: Not given	a: <3 ug/l b: <2 ug/l Dry wt	a: Llyn Peris b: Llyn Padarn Collected 11/74 in adjoining lakes contaminated by mineral deposits and mining deposits. Age 1-6 yr, length 60-240 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cove, I.G. 1982 Environmental Pollution (Series A) 29:101-110
2160 Liver		AAS	a: 10 b: 10	a: Not given b: Not given	a: <6 ug/l b: <2 ug/l Dry wt	a: Llyn Peris b: Llyn Padarn Collected 11/74 in adjoining lakes contaminated by mineral deposits and mining deposits. Age 1-6 yr, length 60-240 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cove, I.G. 1982 Environmental Pollution (Series A) 29:101-110

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Manganese
7439-96-5
Mn
AtW 54.9380, MP 1246 C, BP 2095 C, VP 1 mm Hg at 1292 C, 10 mm Hg at 1510 C
Chor
SALVELINUS ALPINUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2161 Muscle		AAS	a: 10 b: 10	a: Not given b: Not given	a: <3 ug/l b: <2 ug/l Dry wt	a: Llyn Peris b: Llyn Padarn Collected 11/76 in adjoining lakes contaminated by mineral deposits and mining deposits. Age 1-6 yr, length 60-240 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cowx, I.G. 1982 Environmental Pollution (Series A) 29:101-110
2162 Scales		AAS	a: 10 b: 10	a: 16-89 ug/l b: 10-33 ug/l Dry wt	a: 35.2 ug/l b: 26.4 ug/l Dry wt	a: Llyn Peris b: Llyn Padarn Collected 11/76 in adjoining lakes contaminated by mineral deposits and mining deposits. Age 1-6 yr, length 60-240 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cowx, I.G. 1982 Environmental Pollution (Series A) 29:101-110

Manganese
7439-96-5
Mn
ASW 50.9380, MP 1244 C, BP 2095 C, VP 1 mm Hg at 1292 C, 10 mm Hg at 1518 C
Clam, softshell
MYA ARENARIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2141 Muscle		AAS	31	Not given	24.4 +or- 23.8 ug/g wet wt	Total soft tissues. Collected 1970-76 Oregon, coast CRUSTACEANS; HEPATOPANCREAS; MOLLUSKS; GROOM MUSCLES; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; IRON; MANGANESE; MERCURY; ZINC	Caldwell, R.S. Bubler, D.B. 1983 Archives of Environmental Contamination and Toxicology 12:15-23

Manganese
7439-96-5
Mn
ASW 50.9380, MP 1244 C, BP 2095 C, VP 1 mm Hg at 1292 C, 10 mm Hg at 1518 C
Cockle
CLINOCARDIUM NUTTALLII

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2164 Muscle		AAS	12	Not given	6.02 +or- 4.45 ug/g wet wt	Total soft tissues. Collected 1970-76 Oregon, coast CRUSTACEANS; HEPATOPANCREAS; MOLLUSKS; GROOM; MUSCLES; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; IRON; MANGANESE; MERCURY; ZINC	Caldwell, R.S. Bubler, D.B. 1983 Archives of Environmental Contamination and Toxicology 12:15-23

Manganese
7439-96-5
Mn
AtW 54.9380, MP 1244 C, BP 2095 C, VP 1 mm Hg at 1292 C, 10 mm Hg at 1519 C
Crab, Dungeness
CANCER MAGISTER

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2165 Hepatopan creas		AAS	59	Not given	5.67 +or- 6.79 ug/g wet wt	Collected 1970-74 Oregon, coast CRUSTACEANS: HEPATOPANCREAS; MOLLUSKS: OREGON; MUSCLES; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; IRON; MANGANESE; MERCURY; ZINC	Caldwell, R.S. Dubler, D.B. 1983 Archives of Environmental Contamination and Toxicology 12:15-23
2166 Muscle		AAS	73	Not given	1.20 +or- 0.754 ug/g wet wt	Collected 1970-74 Oregon, coast CRUSTACEANS; HEPATOPANCREAS; MOLLUSKS; OREGON; MUSCLES; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; IRON; MANGANESE; MERCURY; ZINC	Caldwell, R.S. Dubler, D.B. 1983 Archives of Environmental Contamination and Toxicology 12:15-23

Manganese
7439-96-5
Mn
AtW 54.9380, MP 1244 C, BP 2095 C, VP 1 mm Hg at 1292 C, 10 mm Hg at 1519 C
Mussel
MYTILUS EDULIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
21:? Body		AAS	a: 20 b: 20 c: 20 d: 20 e: 20 f: 20 g: 20 h: 20 i: 20	a: Not given b: Not given c: Not given d: Not given e: Not given f: Not given g: Not given h: Not given i: Not given	a: 2.5 ug b: 3.3 ug c: 4.8 ug d: 5.1 ug e: 5.5 ug f: 3.6 ug g: 3.1 ug h: 3.9 ug i: 5.7 ug	a: 10/23/79, wt 0.667 g b: 11/16/79, wt 0.693 g c: 1/15/80, wt 0.660 g d: 2/11/80, wt 0.626 g e: 3/10/80, wt 0.501 g f: 4/8/80, wt 0.630 g g: 5/7/80, wt 0.615 g h: 6/3/80, wt 0.606 g i: 6/17/80, wt 0.810 g Somatic tissue. Pooled samples Sexually mature population, size 50-60 mm Oregon, Newport, Yaquina Bay MOLLUSKS; SEXUAL; OREGON; ADULTS; BODY; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; MANGANESE; NICKEL; VANADIUM; ZINC	Latouche, Y.D. Hio, M.C. 1981 Bulletin of Environmental Contamination and Toxicology 27:821-826

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Manganese
7439-96-5
Mn
AtW 54.9380, MP 1244 C, BP 2095 C, VP 1 mm Hg at 1292 C, 10 mm Hg at 1510 C
Mussel
MYTILUS EDULIS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2168 Gonads		AAS	a: 20 b: 20 c: 20 d: 20 e: 20 f: 20 g: 20 h: 20 i: 20	a: Not given b: Not given c: Not given d: Not given e: Not given f: Not given g: Not given h: Not given i: Not given	a: 0.48 ug b: 0.59 ug c: 0.04 ug d: 0.69 ug e: 0.68 ug f: 0.50 ug g: 0.27 ug h: 0.47 ug i: 1.01 ug	a: 10/23/78, wt 0.154 g b: 11/14/78, wt 0.170 g c: 1/19/80, wt 0.191 g d: 2/11/80, wt 0.151 g e: 3/10/80, wt 0.169 g f: 4/8/80, wt 0.209 g g: 5/7/80, wt 0.112 g h: 6/2/80, wt 0.127 g i: 6/17/80, wt 0.25 g Pooled samples Sexually mature population, size 50-60 mm Oregon, Newport, Yaquina Bay MOLLUSKS; GONADS; OREGON; ADULTS; BODY; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; MANGANESE; NICKEL; VANADIUM; SINC	Latouche, Y.D. Mix, M.C. 1981 Bulletin of Environmental Contamination and Toxicology 27:821-828

Manganese
7439-96-5
Mn
AtW 54.9380, MP 1244 C, BP 2095 C, VP 1 mm Hg at 1292 C, 10 mm Hg at 1510 C
Sheep
OVIS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2169 Heart	Ingestion	AAS	21	a: Not given b: Not given c: Not given	a: 1.4 mg/kg b: 0.5 mg/kg c: 0.73 mg/kg Dry wt	a: Fetuses from ewes on Cu-deficient rations (<1 mg/kg of feed) for 9 mo before breeding b: Fetuses from ewes on Cu-supplemented rations (10 mg/kg of feed) for 3 mo before breeding c: Fetuses from ewes on natural diet 130 day old fetuses SHEEP; CANADA; FETUS; NUTRITIONAL DEFICIENCIES; HEART; KIDNEYS; LIVER; LUNGS; SPLEEN; COPPER; IRON; MANGANESE; TRACE ELEMENTS; SINC; BIOACCUMULATION	Hidiroglou, M. Williams, C.J. 1982 American Journal of Veterinary Research 43(2):310-313

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Manganese
7439-96-5
Mn
ATM 59.9380, MP 1244 C, BP 2095 C, VP 1 mm Hg at 1292 C, 10 mm Hg at 1510 C
Sheep
OVIS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2170 Kidney	Ingestion	AAS	21	a: Not given b: Not given c: Not given	a: 1.5 mg/kg b: 1.6 mg/kg c: 1.35 mg/kg Dry wt	a: Fetuses from ewes on Cu-deficient rations (<1 mg/kg of feed) for 9 mo before breeding b: Fetuses from ewes on Cu-supplemented rations (10 mg/kg of feed) for 2 mo before breeding c: Fetuses from ewes on natural diet 130 day old fetuses SHEEP; CANADA; FETUS; NUTRITIONAL DEFICIENCIES; HEART; KIDNEYS; LIVER; LUNGS; SPLEEN; COPPER; IRON; MANGANESE; TRACE ELEMENTS; ZINC; BIOACCUMULATION	Hidiroglou, M. Williams, C.J. 1982 American Journal of Veterinary Research 43(2):310-313
2171 Liver	Ingestion	AAS	21	a: Not given b: Not given c: Not given	a: 7.9 mg/kg b: 10.1 mg/kg c: 6.20 mg/kg Dry wt	a: Fetuses from ewes on Cu-deficient rations (<1 mg/kg of feed) for 9 mo before breeding b: Fetuses from ewes on Cu-supplemented rations (10 mg/kg of feed) for 2 mo before breeding c: Fetuses from ewes on natural diet 130 day old fetuses SHEEP; CANADA; FETUS; NUTRITIONAL DEFICIENCIES; HEART; KIDNEYS; LIVER; LUNGS; SPLEEN; COPPER; IRON; MANGANESE; TRACE ELEMENTS; ZINC; BIOACCUMULATION	Hidiroglou, M. Williams, C.J. 1982 American Journal of Veterinary Research 43(2):310-313
2172 Lung	Ingestion	AAS	21	a: Not given b: Not given c: Not given	a: 0.7 mg/kg b: 0.6 mg/kg c: 0.92 mg/kg Dry wt	a: Fetuses from ewes on Cu-deficient rations (<1 mg/kg of feed) for 9 mo before breeding b: Fetuses from ewes on Cu-supplemented rations (10 mg/kg of feed) for 2 mo before breeding c: Fetuses from ewes on natural diet 130 day old fetuses SHEEP; CANADA; FETUS; NUTRITIONAL DEFICIENCIES; HEART; KIDNEYS; LIVER; LUNGS; SPLEEN; COPPER; IRON; MANGANESE; TRACE ELEMENTS; ZINC; BIOACCUMULATION	Hidiroglou, M. Williams, C.J. 1982 American Journal of Veterinary Research 43(2):310-313

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Manganese
7439-96-5
Mn
AtW 54.9380, MP 1244 C, BP 2095 C, VP 1 mm Hg at 1292 C, 10 mm Hg at 1510 C
Sheep
OVIS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2173 Spleen	Ingestion	AAS	21	a: Not given b: Not given c: Not given	a: 1.8 mg/kg b: 5.0 mg/kg c: 8.75 mg/kg Dry wt	a: Fetuses from ewes on Cu-deficient rations (<1 mg/kg of feed) for 9 mo before breeding b: Fetuses from ewes on Cu-supplemented rations (10 mg/kg of feed) for 3 mo before breeding c: Fetuses from ewes on natural diet (30 day old fetuses BREED: CANADA; FETUS; NUTRITIONAL DEFICIENCIES; HEART; KIDNEYS; LIVER; LUNGS; SPLEEN; COPPER; IRON; MANGANESE; TRACE ELEMENTS; ZINC; BIOACCUMULATION	Bidinosinc, R. Williams, C.J. 1982 American Journal of Veterinary Research 43(2):310-313

Manganese
7439-96-5
Mn
AtW 54.9380, MP 1244 C, BP 2095 C, VP 1 mm Hg at 1292 C, 10 mm Hg at 1510 C
Trout, brown
SALMO TRUTTA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2170 Bone		AAS	a: 10 b: 10	a: 37-114 ug/l b: 13-128 ug/l Dry wt	a: 79.5 ug/l b: 56.7 ug/l Dry wt	a: Liyo Perio b: Liyo Pedero Collected 11/79 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-3 yr, length 80-250 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cove, I.S. 1983 Environmental Pollution (Series A) 30:101-110

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Manganese
7439-96-5
Mn
AtW 54.9380, MP 1284 C, BP 2095 C, VP 1 mm Hg at 1292 C, 10 mm Hg at 1510 C
Trout, brown
SALMO TRUTTA

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	PARAM	MEAN	GENERAL INFORMATION	REFERENCE
2175 Kidney		AAS	a: 10 b: 10	a: Not given b: Not given	a: <2 ng/l b: <3 ng/l Dry wt	a: Liyo Perio b: Liyo Pedero Collected 11/76 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-3 yr, length 80-250 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Coes, I.G. 1982 Environmental Pollution (Series A) 29:101-110
2176 Liver		AAS	a: 10 b: 10	a: Not given b: Not given	a: <1 ng/l b: <1 ng/l Dry wt	a: Liyo Perio b: Liyo Pedero Collected 11/76 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-3 yr, length 80-250 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Coes, I.G. 1982 Environmental Pollution (Series A) 29:101-110
2177 Muscle		AAS	a: 10 b: 10	a: Not given b: Not given	a: <1 ng/l b: <1 ng/l Dry wt	a: Liyo Perio b: Liyo Pedero Collected 11/76 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-3 yr, length 80-250 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Coes, I.G. 1982 Environmental Pollution (Series A) 29:101-110

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Manganese
7439-96-5
Mn
AtW 54.9380, MP 1244 C, BP 2095 C, VP 1 mm Hg at 1292 C, 10 mm Hg at 1510 C
Trout, brown
SALMO TRUTTA

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2170 Scales		AAS	a: 10 b: 10	a: 27-99 ug/l b: 19-83 ug/l Dry wt	a: 50.4 ug/l b: 39.6 ug/l Dry wt	a: Llyn Peris b: Llyn Padarn Collected 11/74 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-3 yr, length 85-255 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cows, I.G. 1982 Environmental Pollution (Series A) 29:101-110

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Benzene
SPHYRAENA FORSTERI

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2179 Muscle		AAS	5	a: 0.37-1.33 ppm b: 0.353-1.220 ppm	a: 0.708 ppm b: 0.680 ppm	a: Total Hg b: Methyl Hg Collected 1980. Whole ungutted fish, shoulder samples. Wt 3.3-4.6 kg Indian Ocean (W), Seychelles SEYCHELLES; INDIAN OCEAN; MUSCLES; BIOACCUMULATION; FISHES; WATER POLLUTION; MERCURY; MERCURY ORGANIC COMPOUNDS	Matthews, A.D. 1983 Environmental Research 30:305-312

Mercury
7439-97-6
Hg
Atw 200.59, MP -38.87 C, BP 356.72 C, VP 2E-10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Bluefish, Marine
POMATOMUS SALTATRIX

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2180 Muscle		AAS	a: 1-3 b: 1 c: 1 d: 1	a: Not given b: Not given c: Not given d: Not given	a: 0.92 +or- 0.13 ug/g b: 0.58 +or- 0.05 ug/g c: 0.87 +or- 0.01 ug/g d: 0.09 +or- 0.03 ug/g Dry wt	a: Stainless steel b: Titanium c: Lexan plastic d: Teflon-coated stainless steel Dissecting tool materials Dorsal muscle, fish wt 917-20 g, length 43.5-66.2 cm Virginia, Remote TELLURIUM; MOLLUSKS; NEW YORK; BODY; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION; FISHES	Holt, M. Slucak, C.S. 1982 Science of the Total Environment 24:125-136

Mercury
7439-97-6
Hg
Atw 200.59, MP -38.87 C, BP 356.72 C, VP 2E-10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Bonito
EUTHYNNUS AFFINIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2181 Muscle		AAS	5	a: 0.905-1.206 ppm b: 0.789-1.252 ppm	a: 1.098 ppm b: 1.106 ppm	a: Total Hg b: Methyl Hg Collected 1980. Whole, ungutted fish, shoulder samples. Positive correlation between Hg content and wt. Wt 4.5-6.1 kg Indian Ocean (W), Seychelles SEYCHELLES; INDIAN OCEAN; MUSCLES; BIOACCUMULATION; FISHES; WATER POLLUTION; MERCURY; MERCURY ORGANIC COMPOUNDS	Matthews, A.D. 1983 Environmental Research 30:305-312

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2E10(E-3) mm Hg at 25 C, 163 mm Hg at 260 C
Bourgecia
LUTJANUS SEBAE

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2102 Muscle		AAS	5	a) 0.273-0.603 ppm b) 0.220-0.691 ppm	a) 0.497 ppm b) 0.445 ppm	a) Total Hg b) Methyl Hg Collected 1980. Gilled, gutted fish, shoulder samples. Positive correlation between Hg conte.' and wt. Wt 9.6-13.0 kg Indian Ocean (W), Seychelles SEYCHELLES; INDIAN OCEAN; MUSCLES; BIOACCUMULATION; FISHES; WATER POLLUTION; MERCURY; MERCURY ORGANIC COMPOUNDS	Matthews, A.D. 1983 Environmental Research 30:305-312

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2E10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Convoobach
ATTHYA VALISINERIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2103 Liver		AAS	a) 5 b) 5 c) 5 d) 5 e) 5 f) 5 g) 5 h) 5	a) 0.02-0.56 ppm b) 0.04-1.17 ppm c) 0.06-0.18 ppm d) 0.05-0.56 ppm e) 0.07-0.17 ppm f) 0.03-0.11 ppm g) 0.06-0.53 ppm h) 0.02-0.60 ppm Wet wt	a) 0.11 ppm b) 0.87 ppm c) 0.08 ppm d) 1.12 ppm e) 0.09 ppm f) 0.07 ppm g) 0.12 ppm h) 0.08 ppm Wet wt Geometric means	a) Adult males, LaCrosse b) Adult females, LaCrosse c) Immature males, LaCrosse d) Immature females, LaCrosse e) Adult males, Keokuk f) Adult females, Keokuk g) Immature males, Keokuk h) Immature females, Keokuk Collected 1976 Wisconsin, LaCrosse, Mississippi River Iowa, Keokuk, Mississippi River BIRDS; JUVENILE; IOWA; WISCONSIN; ADULTS; BONES; KIDNEYS; LIVER; BIOACCUMULATION; CADMIUM; LEAD; MERCURY; NICKEL	Fleming, W.J. 1981 Journal of Wildlife Management 45(2):500-511

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Mercury
7439-97-6
Hg
Atm 200.59, MP -38.87 C, BP 356.72 C, VP 2E10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Canvasback
AYTHYA VALISINERIA

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2184 Liver		AAS	10	Not given	0.24 +or- 0.03 ppm wet wt	Collected 1973 Maryland, Chesapeake Bay BIRDS; MARYLAND; BODY; BOMBS; KIDNEYS; LIVER; CADMIUM; CHLORINE ORGANIC COMPOUNDS; CHROMIUM; COPPER; DDD; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; LEAD; MERCURY; POLYCHLORINATED BIPHENYLS; ZINC; BIOACCUMULATION; PESTICIDE RESIDUES	White, D.H. Stendell, E.C. Hulbert, E.H. 1979 Wilson Bulletin 91(2):279-287

Mercury
7439-97-6
Hg
Atm 200.59, MP -38.87 C, BP 356.72 C, VP 2E10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Carangue balo
CARANX GYMNOSTETHUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2185 Muscle		AAS	5	a) 0.376-1.200 ppm b) 0.367-1.410 ppm	a) 0.661 ppm b) 0.819 ppm	a) Total Hg b) Methyl Hg Collected 1980. Whole, ungutted fish, shoulder samples. Positive correlation between Hg content and wt. Wt 3.9-10.5 kg Indian Ocean (W), Seychelles SEYCHELLES; INDIAN OCEAN; MUSCLES; BIOACCUMULATION; FISHES; WATER POLLUTION; MERCURY; MERCURY ORGANIC COMPOUNDS	Matthews, A.D. 1983 Environmental Research 30:305-312

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2E10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Catfish
HEXAMMATICHTHYS LATIROSTRIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2186 Muscle		AAS	6	0.006-0.08 ug/g	0.03 +or- 0.04 ug/g	Total Hg 0.13-0.20 ug/g. Fillet. Fish wt 0.05-3.1 kg New Guinea, Lake Murray NEW GUINEA; MUSCLES; BIOACCUMULATION; FISHES; WATER POLLUTION; MERCURY; MERCURY ORGANIC COMPOUNDS	Kyle, J.H. Ghani, M. 1982 Archives of Environmental Health 37:5:;266-270

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2E10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Cattle
BOS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2187 Kidney		AAS	178	<0.01-0.15 mg/kg wet wt	Not given	From abattoirs in 10 selected 100-sq km areas representing a cross-section of industries. 135 samples below detection limit. Australia, Queensland CATTLE; AUSTRALIA; KIDNEYS; LIVER; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; SELENIUM; ZINC; BIOACCUMULATION; INDUSTRIAL AREAS	Kramer, H.L. Steiner, J.W. Valleiy, P.J. 1983 Bulletin of Environmental Contamination and Toxicology 30:588-594
2188 Liver		AAS	180	<0.01-0.03 mg/kg wet wt	Not given	From abattoirs in 10 selected 100-sq km areas representing a cross-section of industries. 178 samples below detection limit. Australia, Queensland CATTLE; AUSTRALIA; KIDNEYS; LIVER; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; SELENIUM; ZINC; BIOACCUMULATION; INDUSTRIAL AREAS	Kramer, H.L. Steiner, J.W. Valleiy, P.J. 1983 Bulletin of Environmental Contamination and Toxicology 31:588-594

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Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Cattle
BOS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2189 Muscle		AAS	181	0.01-0.02 mg/kg wet wt	Not given	From abattoirs in 10 selected 100 sq-km areas representing a cross-section of industries. Australia, Queensland CATTLE; AUSTRALIA; KIDNEYS; LIVER; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; SELENIUM; ZINC; BIOACCUMULATION; INDUSTRIAL AREAS	Kramer, M.L. Steiner, J.W. Vallely, P.J. 1983 Bulletin of Environmental Contamination and Toxicology 30:588-594

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Clam, softshell
MYA ARENARIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2190 Muscle		AAS	139	Not given	0.825 +or- 0.019 ug/g wet wt	Total soft tissues. Collected 1970-74 Oregon, coast CRUSTACEANS; HEPATOPANCREAS; MOLLUSKS; OREGON; MUSCLES; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; IRON; MANGANESE; MERCURY; ZINC	Caldwell, R.S. Buhler, D.R. 1983 Archives of Environmental Contamination and Toxicology 12:15-23

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2E10(8-3) mm Hg at 25 C, 100 mm Hg at 260 C
Cockle
CLINOCARDIUM NUTTALLI

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2191 Muscle		AAS	71	Not given	0.019 +or- 0.009 ug/g wet wt	Total soft tissues. Collected 1970-74 Oregon, coast CRUSTACEANS; HEPATOPANCREAS; MOLLUSKS; ORGSON; MUSCLES; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; IRON; MANGANESE; MERCURY; ZINC	Caldwell, R.S. Buhler, D.R. 1983 Archives of Environmental Contamination and Toxicology 12:15-23

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2E10(8-3) mm Hg at 25 C, 100 mm Hg at 260 C
Crab, Dungeness
CANCER MAGISTER

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2192 Hepatopancreas		AAS	131	Not given	0.070 +or- 0.052 ug/g wet wt	Collected 1970-74 Oregon, coast CRUSTACEANS; HEPATOPANCREAS; MOLLUSKS; ORGSON; MUSCLES; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; IRON; MANGANESE; MERCURY; ? ∠C	Caldwell, R.S. Buhler, D.R. 1983 Archives of Environmental Contamination and Toxicology 12:15-23
2191 Muscle		AAS	100	Not given	0.108 +or- 0.084 ug/g wet wt	Collected 1970-74 Oregon, coast CRUSTACEANS; HEPATOPANCREAS; MOLLUSKS; ORGSON; MUSCLES; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; IRON; MANGANESE; MERCURY; ZINC	Caldwell, R.S. Buhler, D.R. 1983 Archives of Environmental Contamination and Toxicology 12:15-23

Mercury
7439-97-6
Hg
AIW 200.59, MP -38.87 C, BP 356.73 C, VP 2E10:0.3: mm Hg at 25 C, 100 mm Hg at 260 C
Drum, rod
SCIAENOPS OCELLATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2194 Gills		AAS	a: 1 b: 2	a: Not applicable b: Not given	a: <1 ppm b: 1.1 +or- 0.6 ppm Wet wt	a: Diseased, part of mass kill 6-7/88. Length 93 cm, wt 14 kg b: Controls, length 66 and 69 cm, wt 3.9 and 4.6 kg Florida, Titusville, Indian River and Mosquito Lagoon Lethargy, incoordination, death Elevated serum electrolyte concentrations, edematous gills, excessive mucus secretion GILLS; FLORIDA; ADULTS; METAL POISONING; KIDNEYS; LIVER; ARSENIC; CADMIUM; CHROMIUM; COPPER; MERCURY; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cardellhac, P.T. Simpson, C.F. White, P.H. Thompson, M.P. Carr, W.E. 1991 Bulletin of Environmental Contamination and Toxicology 27:639-644
2195 Kidney		AAS	a: 1 b: 2	a: Not applicable b: Not given	a: <1 ppm b: <1 ppm Wet wt	a: Diseased, part of mass kill 6-7/88. Length 93 cm, wt 14 kg b: Controls, length 66 and 69 cm, wt 3.9 and 4.6 kg Florida, Titusville, Indian River and Mosquito Lagoon Lethargy, incoordination, death Elevated serum electrolyte concentrations, edematous gills, excessive mucus secretion GILLS; FLORIDA; ADULTS; METAL POISONING; KIDNEYS; LIVER; ARSENIC; CADMIUM; CHROMIUM; COPPER; MERCURY; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cardellhac, P.T. Simpson, C.F. White, P.H. Thompson, M.P. Carr, W.E. 1991 Bulletin of Environmental Contamination and Toxicology 27:639-644

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Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Drum, red
SCIAENOPS OCELLATA

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2196 Liver		AAS	a) 2 b) 2	a) Not given b) Not given	a) 3.5 +or- 1.6 ppm b) 0.6 +or- 0.1 ppm Wet wt	a) Diseased, part of mass kill 6-7/80. Length 93 cm, wt 14 kg b) Controls, length 66 and 69 cm, wt 3.9 and 4.6 kg Florida, Titusville, Indian River and Mosquito Lagoon Lethargy, incoordination, death Elevated serum electrolyte concentrations, edematous gills, excessive mucus secretion GILLS; FLORIDA; ADULTS; METAL POISONING; KIDNEYS; LIVER; ARSENIC; CADMIUM; CHROMIUM; COPPER; MERCURY; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cardeilhac, P.T. Simpson, C.F. White, F.H. Thompson, W.P. Carr, W.H. 1981 Bulletin of Environmental Contamination and Toxicology 27:639-644

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Duck, mallard
ANAS PLATYRHYNCHOS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2197 Blood	Ingestion	AAS	a) 9 b) 9 c) 9 d) 9	a) Not given b) Not given c) Not given d) Not given	a) 0.54 +or- 0.089 ppm b) 0.59 +or- 0.056 ppm c) 0.51 +or- 0.065 ppm d) 0.51 +or- 0.051 ppm Wet wt	a) Wild strain, males b) Game-farm strain, males c) Wild strain, females d) Game-farm strain, females Fed diet containing 0.5 ppm Hg as methylmercury dicyandiamide for 7 mo DUCKS; FEATHERS; EGGS; MARYLAND; ADULTS; NEWBORN; BLOOD; BODY; BRAIN; KIDNEYS; LIVER; MUSCLES; MERCURY; MERCURY ORGANIC COMPOUNDS; BIOACCUMULATION	Heinz, G.H. 1980 Journal of Environmental Pathology and Toxicology 3:379-386

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Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Duck, mallard
ANAS PLATYRHYNCHOS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2198 Body	Ingestion	AAS	a) 1 b) 6	a) Not applicable b) Not given	a) 1.50 ppm b) 1.43 +or- 0.163 ppm Wet wt	a) Wild strain b) Game-farm strain Ducklings hatched by hens fed diet containing 0.5 ppm Hg as methylmercury dicyandiamide DUCKS; FEATHERS; EGGS; MARYLAND; ADULTS; NEWBORN; BLOOD; BODY; BRAIN; KIDNEYS; LIVER; MUSCLES; MERCURY; MERCURY ORGANIC COMPOUNDS; BIOACCUMULATION	Heinz, G.H. 1980 Journal of Environmental Pathology and Toxicology 3:379-386
2199 Brain	Ingestion	AAS	a) 9 b) 9 c) 9 d) 9	a) Not given b) Not given c) Not given d) Not given	a) 0.51 +or- 0.060 ppm b) 0.55 +or- 0.044 ppm c) 0.47 +or- 0.058 ppm d) 0.52 +or- 0.052 ppm Wet wt	a) Wild strain, males b) Game-farm strain, males c) Wild strain, females d) Game-farm strain, females Fed diet containing 0.5 ppm Hg as methylmercury dicyandiamide for 7 mo DUCKS; FEATHERS; EGGS; MARYLAND; ADULTS; NEWBORN; BLOOD; BODY; BRAIN; KIDNEYS; LIVER; MUSCLES; MERCURY; MERCURY ORGANIC COMPOUNDS; BIOACCUMULATION	Heinz, G.H. 1980 Journal of Environmental Pathology and Toxicology 3:379-386
2200 Brain	Ingestion	AAS	a) b) 3 c) 3	a) Not given b) Not given c) Not given	a) 0.50 +or- 0.057 ppm b) 0.44 +or- 0.042 ppm c) 0.59 +or- 0.044 ppm Wet wt	a) Generation 1 (18 mo old males and 30 mo old females) b) Generation 2 (randomly selected offspring) c) Generation 3 (randomly selected offspring) Fed diet containing 0.5 ppm methyl Hg. Game-farm birds Fewer eggs laid, greater percentage outside nests. Some shell thinning. No effect on weight during reproductive season. Ducklings less responsive to recorded maternal calls, hyperresponsive to frightening stimuli. BIRDS; EGGS; FEATHERS; BRAIN; KIDNEYS; LIVER; MUSCLES; OVARIES; BEHAVIOR DISORDERS; BIOACCUMULATION; MERCURY ORGANIC COMPOUNDS	Heinz, G.H. 1979 Journal of Wildlife Management 43(2):394-401

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Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Duck, mallard
ANAS PLATYRHYNCHOS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2201 Eggs	Ingestion	AAS	a) 6 b) 9	a) Not given b) Not given	a) 0.88 +or- 0.101 ppm b) 0.81 +or- 0.091 ppm Wet wt	a) Wild strain b) Game-farm strain Eggs laid by hens fed diet containing 0.5 ppm Hg as methylmercury dicyandiamide DUCKS; FEATHERS; EGGS; MARYLAND; ADULTS; NEWBORN; BLOOD; BODY; BRAIN; KIDNEYS; LIVER; MUSCLES; MERCURY; MERCURY ORGANIC COMPOUNDS; BIOACCUMULATION	Heinz, G.H. 1980 Journal of Environmental Pathology and Toxicology 3:379-386
2202 Eggs	Ingestion	AAS	a) 9 b) 14 c) 14	a) Not given b) Not given c) Not given	a) 0.79 +or- 0.041 ppm b) 0.86 +or- 0.098 ppm c) 0.84 +or- 0.055 ppm Wet wt	a) Generation 1 (18 mo old males and 30 mo old females) b) Generation 2 (randomly selected offspring) c) Generation 3 (randomly selected offspring) Fed diet containing 0.5 ppm methyl Hg. Game-farm birds Fewer eggs laid, greater percentage outside nests. Some shell thinning. No effect on weight during reproductive season. Ducklings less responsive to recorded maternal calls, hyperresponsive to frightening stimuli. BIRDS; EGGS; FEATHERS; BRAIN; KIDNEYS; LIVER; MUSCLES; OVARIES; BEHAVIOR DISORDERS; BIOACCUMULATION; MERCURY ORGANIC COMPOUNDS	Heinz, G.H. 1979 Journal of Wildlife Management 43(2):394-401
2203 Feathers	Ingestion	AAS	a) 1 b) 6	a) Not applicable b) Not given	a) 10.82 ppm b) 8.46 +or- 0.820 ppm Wet wt	a) Wild strain b) Game-farm strain Down feathers of ducklings hatched by hens fed diet containing 0.5 ppm Hg as methylmercury dicyandiamide DUCKS; FEATHERS; EGGS; MARYLAND; ADULTS; NEWBORN; BLOOD; BODY; BRAIN; KIDNEYS; LIVER; MUSCLES; MERCURY; MERCURY ORGANIC COMPOUNDS; BIOACCUMULATION	Heinz, G.H. 1980 Journal of Environmental Pathology and Toxicology 3:379-386

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Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Duck, mallard
ANAS PLATYRHYNCHOS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2204 Feathers	Ingestion	AAS	a) 3 b) 3 c) 3	a) Not given b) Not given c) Not given	a) 11.17 +or- 0.555 ppm b) 9.03 +or- 0.396 ppm c) 9.07 +or- 1.268 ppm Wet wt	a) Generation 1 (10 mo old males and 30 mo old females) b) Generation 2 (randomly selected offspring). c) Generation 3 (randomly selected offspring) Fed diet containing 0.5 ppm methyl Hg. Primary feathers. Game-farm birds Fewer eggs laid, greater percentage outside nests. Some shell thinning. No effect on weight during reproductive season. Ducklings less responsive to recorded maternal calls, hyperresponsive to frightening stimuli. BIRDS; EGGS; FEATHERS; BRAIN; KIDNEYS; LIVER; MUSCLES; OVARIES; BEHAVIOR DISORDERS; BIOACCUMULATION; MERCURY ORGANIC COMPOUNDS	Heinz, G.H. 1979 Journal of Wildlife Management 43(2):394-401
2205 Kidney	Ingestion	AAS	a) 9 b) 9 c) 9 d) 9	a) Not given b) Not given c) Not given d) Not given	a) 2.61 +or- 0.339 ppm b) 1.95 +or- 0.126 ppm c) 2.07 +or- 0.256 ppm d) 1.41 +or- 0.228 ppm Wet wt	a) Wild strain, males b) Game-farm strain, males c) Wild strain, females d) Game-farm strain, females Fed diet containing 0.5 ppm Hg as methylmercury dicyandiamide for 7 mo DUCKS; FEATHERS; EGGS; MARYLAND; ADULTS; NEWBORN; BLOOD; BODY; BRAIN; KIDNEYS; LIVER; MUSCLES; MERCURY; MERCURY ORGANIC COMPOUNDS; BIOACCUMULATION	Heinz, G.H. 1980 Journal of Environmental Pathology and Toxicology 3:379-386

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Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Duck, mallard
ANAS PLATYRHYNCHOS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2206 Kidney		AAS	a) 3 b) 3 c) 3	a) Not given b) Not given c) Not given	a) 1.82 +or- 0.399 ppm b) 1.52 +or- 0.364 ppm c) 1.60 +or- 0.240 ppm Wet wt	a) Generation 1 (10 mo old males and 30 mo old females) b) Generation 2 (randomly selected offspring) c) Generation 3 (randomly selected offspring) Fed diet containing 0.5 ppm methyl Hg. Game-farm birds Fewer eggs laid, greater percentage outside nests. Some shell thinning. No effect on weight during reproductive season. Ducklings less responsive to recorded maternal calls, hyperresponsive to frightening stimuli. BIRDS; EGGS; FEATHERS; BRAIN; KIDNEYS; LIVER; MUSCLES; OVARIES; BEHAVIOR DISORDERS; BIOACCUMULATION; MERCURY ORGANIC COMPOUNDS	Heinz, G.H. 1979 Journal of Wildlife Management 43(2):394-401
2207 Liver	Ingestion	AAS	a) 9 b) 9 c) 9 d) 8	a) Not given b) Not given c) Not given d) Not given	a) 2.35 +or- 0.190 ppm b) 2.29 +or- 0.279 ppm c) 2.36 +or- 0.382 ppm d) 1.97 +or- 0.249 ppm Wet wt	a) Wild strain, males b) Game-farm strain, males c) Wild strain, females d) Game-farm strain, females Fed diet containing 0.5 ppm Hg as methylmercury dicyandiamide for 7 mo DUCKS; FEATHERS; EGGS; MARYLAND; ADULTS; NEWBORN; BLOOD; BODY; BRAIN; KIDNEYS; LIVER; MUSCLES; MERCURY; MERCURY ORGANIC COMPOUNDS; BIOACCUMULATION	Heinz, G.H. 1980 Journal of Environmental Pathology and Toxicology 3:379-386
2208 Liver		AAS	a) 13 b) 10 c) 19 d) 10	a) Not given b) Not given c) Not given d) Not given	a) 0.34 +or- 0.06 mg/kg b) 1.89 +or- 0.47 mg/kg c) 1.15 +or- 0.12 mg/kg d) 1.56 +or- 0.20 mg/kg Dry wt	a) October b) November c) December d) January Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

(NEXT PAGE)

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Duck, mallard
ANAS PLATYRHYNCHOS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2209 Liver	Ingestion	AAS	a) 9 b) 14 c) 14	a) Not given b) Not given c) Not given	a) 1.62 +or- 0.160 ppm b) 0.89 +or- 0.112 ppm c) 1.49 +or- 0.141 ppm Wet wt	a) Generation 1 (18 mo old males and 30 mo old females) b) Generation 2 (randomly selected offspring) c) Generation 3 (randomly selected offspring) Fed diet containing 0.5 ppm methyl Hg. Game-farm birds Fewer eggs laid, greater percentage outside nests. Some shell thinning. No effect on weight during reproductive season. Ducklings less responsive to recorded maternal calls, hyperresponsive to frightening stimuli. BIRDS; EGGS; FEATHERS; BRAIN; KIDNEYS; LIVER; MUSCLES; OVARIES; BEHAVIOR DISORDERS; BIOACCUMULATION; MERCURY ORGANIC COMPOUNDS	Heinz, G.H. 1979 Journal of Wildlife Management 43(2):394-401
2210 Muscle	Ingestion	AAS	a) 9 b) 9 c) 9 d) 9	a) Not given b) Not given c) Not given d) Not given	a) 0.97 +or- 0.095 ppm b) 0.96 +or- 0.086 ppm c) 0.74 +or- 0.071 ppm d 0.87 +or- 0.132 ppm Wet wt	a) Wild strain, males b) Game-farm strain, males c) Wild strain, females d) Game-farm strain, females Fed diet containing 0.5 ppm Hg as methylmercury dicyandiamide for 7 mo DUCKS; FEATHERS; EGGS; MARYLAND; ADULTS; NEWBORN; BLOOD; BODY; BRAIN; KIDNEYS; LIVER; MUSCLES; MERCURY; MERCURY ORGANIC COMPOUNDS; BIOACCUMULATION	Heinz, G.H. 1980 Journal of Environmental Pathology and Toxicology 3:379-386

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Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Duck, mallard
ANAS PLATYRHYNCHOS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2211 Muscle	Ingestion	AAS	a) 3 b) 3 c) 3	a) Not given b) Not given c) Not given	a) 0.82 +or- 0.053 ppm b) 0.67 +or- 0.062 ppm c) 0.83 +or- 0.070 ppm Wet wt	a) Generation 1 (18 mo old males and 30 mo old females) b) Generation 2 (randomly selected offspring) c) Generation 3 (randomly selected offspring) Fed diet containing 0.5 ppm methyl Hg. Breast muscle. Game-farm birds Fewer eggs laid, greater percentage outside nests. Some shell thinning. No effect on weight during reproductive season. Ducklings less responsive to recorded maternal calls, hyperresponsive to frightening stimuli. BIRDS; EGGS; FEATHERS; BRAIN; KIDNEYS; LIVER; MUSCLES; OVARIES; BEHAVIOR DISORDERS; BIOACCUMULATION; MERCURY ORGANIC COMPOUNDS	Heinz, G.H. 1979 Journal of Wildlife Management 43(2):394-401
2212 Ovary	Ingestion	AAS	a) 3 b) 3 c) 3	a) Not given b) Not given c) Not given	a) 0.65 +or- 0.100 ppm b) 0.51 +or- 0.132 ppm c) 0.58 +or- 0.095 ppm Wet wt	a) Generation 1 (18 mo old males and 30 mo old females) b) Generation 2 (randomly selected offspring) c) Generation 3 (randomly selected offspring) Fed diet containing 0.5 ppm methyl Hg. Game-farm birds Fewer eggs laid, greater percentage outside nests. Some shell thinning. No effect on weight during reproductive season. Ducklings less responsive to recorded maternal calls, hyperresponsive to frightening stimuli. BIRDS; EGGS; FEATHERS; BRAIN; KIDNEYS; LIVER; MUSCLES; OVARIES; BEHAVIOR DISORDERS; BIOACCUMULATION; MERCURY ORGANIC COMPOUNDS	Heinz, G.H. 1979 Journal of Wildlife Management 43(2):394-401

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Duck, tufted
AYTHYA FULIGULA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2213 Liver		AAS	a) 6 b) 7 c) 2	a) Not given b) Not given c) Not given	a) 1.11 +or- 0.32 mg/kg b) 1.12 +or- 0.62 mg/kg c) 8.64 mg/kg Dry wt	a) September b) December c) January Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Fish
NOTOPTERUS NOTOPTERUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2214 Brain		Dithizone	a) 10 b) 10 c) 10 d) 10 e) 10 f) 10 g) 10	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 2.46 +or- 0.12 mg/g b) 2.35 +or- 0.15 mg/g c) 2.22 +or- 0.14 mg/g d) 1.60 +or- 0.12 mg/g e) 2.09 +or- 0.10 mg/g f) 2.00 +or- 0.16 mg/g g) 2.16 +or- 0.09 mg/g Wet wt	a) 0.09 mg HgCl/l for 1 mo b) Tapwater c) 0.134 mmole/l nitrilotriacetic acid (NTA) d) 0.134 mmole/l EDTA e) 0.134 mmole/l DDTA f) 0.134 mmole/l DTPA g) 0.134 mmole/l sodium diethyldithiocarbamate (DDC) b)-g) amounts of Hg mobilized after 7 days, previously exposed to 0.09 mg HgCl/l for 1 mo Adults, length 86-110 mm, wt 14.6-19 g India GILLS; INDIA; ADULTS; BRAIN; KIDNEYS; LIVER; BIOACCUMULATION; FISHES; CHROMIUM; MERCURY; NICKEL	Verma, S.R. Jain, M. Dalela, R.C. 1981 Environmental Research 26:328-334

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Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Fish
NOTOPTERUS NOTOPTERUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2215 Gills		Dithizone	a) 10 b) 10 c) 10 d) 10 e) 10 f) 10 g) 10	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 7.10 +or- 0.17 mg/g b) 6.69 +or- 0.25 mg/g c) 5.40 +or- 0.17 mg/g d) 5.64 +or- 0.23 mg/g e) 4.97 +or- 0.20 mg/g f) 4.94 +or- 0.18 mg/g g) 5.02 +or- 0.14 mg/g Wet wt	a) 0.09 mg HgCl/l for 1 mo b) Tapwater c) 0.134 mmole/l nitrilotriacetic acid (NTA) d) 0.134 mmole/l EDTA e) 0.134 mmole/l DDTA f) 0.134 mmole/l DTPA g) 0.134 mmole/l sodium diethyldithiocarbamate (DDC) b)-g) amounts of Hg mobilized after 7 days, previously exposed to 0.09 mg HgCl/l for 1 mo Adults, length 86-110 mm, wt 14.4-19 g India GILLS; INDIA; ADULTS; BRAIN; KIDNEYS; LIVER; BIOACCUMULATION; FISHES; CHROMIUM; MERCURY; NICKEL	Verma, S.R. Jain, M. Dalela, R.C. 1981 Environmental Research 26:328-334
2216 Kidney		Dithizone	a) 10 b) 10 c) 10 d) 10 e) 10 f) 10 g) 10	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 3.24 +or- 0.08 mg/g b) 3.10 +or- 0.62 mg/g c) 2.81 +or- 0.57 mg/g d) 1.96 +or- 0.61 mg/g e) 2.59 +or- 0.49 mg/g f) 2.52 +or- 0.58 mg/g g) 2.72 +or- 0.48 mg/g Wet wt	a) 0.09 mg HgCl/l for 1 mo b) Tapwater c) 0.134 mmole/l nitrilotriacetic acid (NTA) d) 0.134 mmole/l EDTA e) 0.134 mmole/l DDTA f) 0.134 mmole/l DTPA g) 0.134 mmole/l sodium diethyldithiocarbamate (DDC) b)-g) amounts of Hg mobilized after 7 days, previously exposed to 0.09 mg HgCl/l for 1 mo Adults, length 86-110 mm, wt 14.4-19 g India GILLS; INDIA; ADULTS; BRAIN; KIDNEYS; LIVER; BIOACCUMULATION; FISHES; CHROMIUM; MERCURY; NICKEL	Verma, S.R. Jain, M. Dalela, R.C. 1981 Environmental Research 26:328-334

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Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Fish
NOTOPTERUS NOTOPTERUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2217 Liver		Dithizone	a) 10 b) 10 c) 10 d) 10 e) 10 f) 10 g) 10	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 3.78 +or- 0.10 mg/g b) 3.30 +or- 0.35 mg/g c) 2.97 +or- 0.32 mg/g d) 2.02 +or- 0.30 mg/g e) 2.79 +or- 0.23 mg/g f) 2.62 +or- 0.24 mg/g g) 2.82 +or- 0.39 mg/g Wet wt	a) 0.09 mg HgCl/l for 1 mo b) Tapwater c) 0.134 mmole/l nitrilotriacetic acid (NTA) d) 0.134 mmole/l EDTA e) 0.134 mmole/l DDTA f) 0.134 mmole/l DTPA g) 0.134 mmole/l sodium diethyldithiocarbamate (DDC) b)-g) amounts of Hg mobilized after 7 days, previously exposed to 0.09 mg HgCl/l for 1 mo Adults, length 86-110 mm, wt 14.4-19 g India GILLS; INDIA; ADULTS; BRAIN; KIDNEYS; LIVER; BIOACCUMULATION; FISHES; CHROMIUM; MERCURY; NICKEL	Verma, S.R. Jain, M. Dalela, R.C. 1981 Environmental Research 26:328-334
2218 Muscle		AAS	a) 117 b) 51	a) 0.05-0.63 mg/kg b) 0.06-0.43 mg/kg	a) 0.27 +or- 0.012 mg/kg b) 0.22 +or- 0.016 mg/kg	a) Irish Sea b) English Channel (reference area) Commonly consumed fish and shellfish Irish Sea (NE) English Channel (SW) BIOACCUMULATION; FISHES; INDUSTRIAL EMISSIONS; WATER POLLUTION; MERCURY; SELENIUM; MUSCLES; UNITED KINGDOM	Hamton, J. Lindsay, D.J. Hislop, J.S. Salmon, L. Dixon, E.J. Evans, W.H. Reid, J.R. Hewitt, C.J. Jeffries, D.F. 1979 Environmental Research 19:351-368

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Fish, teleost, freshwater
CHANNA PUNCTATUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2219 Liver		Dithizone	a) 20 b) 20 c) 20 d) 20	a) Not given b) Not given c) Not given d) Not given	a) 1.159 +or- 0.0628 ug/g b) 3.101 +or- 0.141 ug/g c) 3.656 +or- 0.2104 ug/g d) 4.210 +or- 0.0245 ug/g	a) Controls b) 7 days c) 15 days d) 30 days Times exposed to 5 ug HgCl2/l b)-d) Wt 60 +or- 10 g India Progressive inhibition of alkaline phosphatase, acid phosphatase, and glucose-6-phosphatase INDIA; LIVER; BIOACCUMULATION; ENZYMES; FISHES; METABOLISM; MERCURY	Rana, S.V.S. Sharma, R. 1982 Toxicology Letters 11:7-10

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Fulmar, southern
FULMARUS GLACIALOIDES

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2220 Liver		AAS	6	Not given	2.9 +or- 1.9 ug/g wet wt	Collected 2/77 and 1/79 Antarctica, Vestfjella (C), Dronning Maud Land Antarctica, Souvatoya BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Somme, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Goldfish
CARASSIUS AURATUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2221 Body		AAS	a) 20 b) 20 c) 20 d) 20 e) 20 f) 20 g) 20 h) 20 i) 20 j) 20 k) 20 l) 20	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given j) Not given k) Not given l) Not given	a) 30.78 +or- 1.11 ug/g b) 22.16 +or- 1.75 ug/g c) 27.83 +or- 3.67 ug/g d) 29.94 +or- 2.72 ug/g e) 29.34 +or- 6.62 ug/g f) 40.01 +or- 4.34 ug/g g) 28.68 +or- 1.75 ug/g h) 35.04 +or- 5.40 ug/g i) 65.49 +or- 3.21 ug/g j) 26.27 +or- 1.27 ug/g k) 61.99 +or- 3.71 ug/g l) 46.03 +or- 5.83 ug/g Dry wt	a) 0.18 mg Hg/l b) 0.32 mg Hg/l c) 0.42 mg Hg/l d) 0.18 mg Hg/l + 0.5 mg Se/l e) 0.32 mg Hg/l + 0.5 mg Se/l f) 0.42 mg Hg/l + 0.5 mg Se/l g) 0.18 mg Hg/l + equimolar Se h) 0.32 mg Hg/l + equimolar Se i) 0.42 mg Hg/l + equimolar Se j) 0.18 mg Hg/l + equimolar Se as 48 hr pretreatment k) 0.32 mg Hg/l + equimolar Se as 48 hr pretreatment l) 0.42 mg Hg/l + equimolar Se as 48 hr pretreatment 48 hr exposures Fish length 4.5-6.5 cm Greater survival of Se treated fish HEAD; GILLS; SOUTH DAKOTA; BODY; MUSCLES; SKIN; BIOACCUMULATION; FISHES; MERCURY; SELENIUM	Heisinger, J.F. Hansen, C.D. Kim, J.H. 1979 Archives of Environmental Contamination and Toxicology 8:279-283
2222 Head		AAS	a) 4 b) 4	a) Not given b) Not given	a) 33.02 +or- 1.13 ug/g b) 74.35 +or- 8.17 ug/g Dry wt	a) 0.32 mg Hg/l b) 0.32 mg Hg/l + equimolar Se as 48 hr pretreatment 48 hr exposures. Unskinned head and gills Fish length 4.5-6.5 cm Greater survival of Se treated fish HEAD; GILLS; SOUTH DAKOTA; BODY; MUSCLES; SKIN; BIOACCUMULATION; FISHES; MERCURY; SELENIUM	Heisinger, J.F. Hansen, C.D. Kim, J.H. 1979 Archives of Environmental Contamination and Toxicology 8:279-283
2223 Muscle		AAS	a) 4 b) 4	a) Not given b) Not given	a) 33.49 +or- 10.60 ug/g b) 41.35 +or- 8.08 ug/g Dry wt	a) 0.32 mg Hg/l b) 0.32 mg Hg/l + equimolar Se as 48 hr pretreatment 48 hr exposures. Muscle and viscera Fish length 4.5-6.5 cm Greater survival of Se treated fish HEAD; GILLS; SOUTH DAKOTA; BODY; MUSCLES; SKIN; BIOACCUMULATION; FISHES; MERCURY; SELENIUM	Heisinger, J.F. Hansen, C.D. Kim, J.H. 1979 Archives of Environmental Contamination and Toxicology 8:279-283

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Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Goldfish
CARASSIUS AURATUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2224 Skin		AAS	a) 4 b) 4	a) Not given b) Not given	a) 26.18 +or- 1.13 ug/g b) 41.72 +or- 3.19 ug/g Dry wt	a) 0.32 mg Hg/l b) 0.32 mg Hg/l + equimolar Se as 48 hr pretreatment 48 hr exposures Fish length 4.5-6.5 cm Greater survival of Se treated fish HEAD; GILLS; SOUTH DAKOTA; BODY; MUSCLES; SKIN; BIOACCUMULATION; FISHES; MERCURY; SELENIUM	Heisinger, J.F. Hansen, C.D. Kim, J.H. 1979 Archives of Environmental Contamination and Toxicology 8:279-283

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Hawk, Swainson's
BUTEO SWAINSONI

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2225 Eggs		AAS	a) 4 b) 6	a) 0.005-0.008 ppm b) 0.005-0.012 ppm Wet wt	a) 0.006 ppm b) 0.008 ppm Wet wt	a) Oregon, near 1974 DDT sprayed area, shell thickness 0.367-0.426 mm b) Washington, shell thickness 0.360-0.490 mm Collected 1976 from 10 nests, clutch size 2-4 eggs Oregon (NE) Washington (SE) Shells 11.4% thinner than in pre-1947 eggs EGGS; BIRDS; BIOACCUMULATION; PESTICIDE RESIDUES; DDE; MERCURY; OREGON; WASHINGTON	Henny, C.J. Kaiser, T.E. 1979 The Murrelet 60:2-5

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Job
APHION VIRESCENS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2226 Muscle		AAS	6	a) 0.446-0.771 ppm b) 0.392-0.72 ppm	a) 0.645 ppm b) 0.601 ppm	a) Total Hg b) Methyl Hg Collected 1980. Gilled, gutted fish, shoulder samples. Positive correlation between Hg content and wt. Wt 5.6-7.5 kg Indian Ocean (W), Seychelles SEYCHELLES; INDIAN OCEAN; MUSCLES; BIOACCUMULATION; FISHES; WATER POLLUTION; MERCURY; MERCURY ORGANIC COMPOUNDS	Matthews, A.D. 1983 Environmental Research 30:305-312

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Kingfish
ACANTHOCYBIUM SOLANDRI

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2227 Muscle		AAS	5	a) 0.188-1.189 ppm b) 0.14-1.104 ppm	a) 0.573 ppm b) 0.570 ppm	a) Total Hg b) Methyl Hg Collected 1980. Gutted fish, shoulder samples. Positive correlation between Hg content and wt. Wt 8.5-22.5 kg Indian Ocean (W), Seychelles SEYCHELLES; INDIAN OCEAN; MUSCLES; BIOACCUMULATION; FISHES; WATER POLLUTION; MERCURY; MERCURY ORGANIC COMPOUNDS	Matthews, A.D. 1983 Environmental Research 30:305-312

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Lobster, American
HOMARUS AMERICANUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2228 Muscle		AAS	a) 10 b) 10 c) 10 d) 10	a) 80-310 ug/kg b) 130-370 ug/kg c) 90-500 ug/kg d) 90-360 ug/kg Wet wt	a) 308 ug/kg b) 225 ug/kg c) 153 ug/kg d) 178 ug/kg Wet wt	a) New Jersey site b) Dredged material disposal c) New York Harbor d) Long Island Sound Cheliped and abdominal tissue. Length 78-132 mm, wt 186-687 g New York Bight CRUSTACEANS; NEW YORK; MUSCLES; CADMIUM; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION; WATER POLLUTION	Roberts, A.H. Hill, D.R. Tifft, E.C., Jr. 1982 Bulletin of Environmental Contamination and Toxicology 29:711-718

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Moorhen
GALLINULA CHLOROPUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2229 Liver		AAS	5	Not given	1.5 mg/kg dry wt	Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Mussel
MYTILUS EDULIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2230 Body		AAS	a) 12 b) 12 c) 8	a) Not given b) Not given c) Not given	a) 0.11 +or- 0.06 ug/g b) 0.09 +or- 0.04 ug/g c) 0.09 +or- 0.04 ug/g Dry wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Soft tissue wet wt 2.7-20.4 g Maine MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Heit, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Mussel, freshwater
ELIPTIO COMPLANATUS, LAMPSILUS RADIATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2231 Body		AAS	a) Several 100 b) 36	a) Not given b) Not given	a) 0.12 +or- 0.03 ug/g b) 0.30 +or- 0.17 ug/g Dry wt	a) Homogenized in food processor with stainless-steel blades b) Unhomogenized Soft tissues, mussels wet wt 2-12 g New York, Lake George TELLURIUM; MOLLUSKS; NEW YORK; BODY; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION; FISHES	Heit, M. Klusek, C.S. 1982 Science of the Total Environment 24:129-134

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Oyster
OSTREA EDULIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2232 Body		AAS	20	0.17-0.31 ppm dry wt	0.23 ppm dry wt Geometric mean	Collected 10/80 in estuary draining mineralized catchment area. High levels attributed to sewage input Commercial size oysters United Kingdom, Lynher Estuary MOLLUSKS; UNITED KINGDOM; BODY; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION; WATER POLLUTION	Bland, S. Ackroyd, D.R. Marsh, J.G. Millward, G.E. 1982 Science of the Total Environment 22:235-241
2233 Body		AAS		Not given	0.675 ug/g wet wt	Collected 12/78 prior to operation of ore refinery. Shucked wet wt 4.5-11.7 g Mississippi, St. Louis Bay (SW) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POL UTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Penguin, chinstrap
PYGOSCELIS ANTARCTICA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2234 Liver		AAS	13	Not given	0.48 +or- 0.20 ug/g wet wt	Collected 2/77 and 1/79 Antarctica, Bouvetoya BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Sonne, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Penguin, macaroni
EUDYPTES CHRYSOLOPHUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2235 Liver		AAS	9	Not given	0.87 +or- 0.32 ug/g wet wt	Collected 2/77 and 1/79 Antarctica, Vestfjella (C), Dronning Maud Land Antarctica, Bouvetoya BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Somme, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Perch, giant
LATES CALCARIFER

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2236 Muscle		AAS	12	0.04 0.27 ug/g	0.08 +or- 0.07 ug/g	Total Hg 0.23-1.4 ug/g. Fillet. Fish wt 2.5-11.5 kg New Guinea, Lake Murray NEW GUINEA; MUSCLES; BIOACCUMULATION; FISHES; WATER POLLUTION; MERCURY; MERCURY ORGANIC COMPOUNDS	Kyle, J.H. Ghani, M. 1982 Archives of Environmental Health 37(5):266-270

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Petrel, snow
PAGODROMA NIVEA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2237 Liver		AAS	7	Not given	0.65 +or- 0.30 ug/g wet wt	Collected 2/77 Antarctica, Vestfjella (C), Dronning Maud Land BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Somme, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Pigeon, cape
DAPTION CAPENSE

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2238 Liver		AAS	7	Not given	1.3 +or- 1.2 ug/g wet wt	Collected 2/77 and 1/79 Antarctica, Vestfjella (C), Dronning Maud Land Antarctica, Bouvetoya BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Somme, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Pintail
ANAS ACUTA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2239 Liver		AAS	a) 1 b) 6 c) 2 d) 23	a) Not applicable b) Not given c) Not given d) Not given	a) 2.02 mg/kg b) 3.22 +or- 1.80 mg/kg c) 1.53 mg/kg d) 4.11 +or- 0.52 mg/kg Dry wt	a) September b) October c) December d) January Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Platte vielle
EPINEPHELUS FLAVOCAERULEUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2240 Muscle		AAS	6	a) 0.358-0.739 ppm b) 0.311-0.605 ppm	a) 0.527 ppm b) 0.431 ppm	a) Total Hg b) Methyl Hg Collected 1980. Gilled, gutted fish, shoulder samples. Wt 5.4-8.3 kg Indian Ocean (W), Seychelles SEYCHELLES; INDIAN OCEAN; MUSCLES; BIOACCUMULATION; FISHES; WATER POLLUTION; MERCURY; MERCURY ORGANIC COMPOUNDS	Matthews, A.D. 1983 Environmental Research 30:305-312

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Plover, golden
PLUVIALIS APRICARIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2241 Liver		AAS	4	Not given	1.8 mg/kg dry wt	Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Sailfish
ISTIOPHORUS PLATYPTERUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2242 Muscle		AAS	4	a) 0.295-0.856 ppm b) 0.225-0.768 ppm	a) 0.550 ppm b) 0.535 ppm	a) Total Hg b) Methyl Hg Collected 1980. Whole fish, shoulder samples. Exponential increase of Hg content at fork length >160 cm. Fork length (beginning of lower jaw to fork of tail) 90-210 cm Indian Ocean (W), Seychelles SEYCHELLES; INDIAN OCEAN; MUSCLES; BIOACCUMULATION; FISHES; WATER POLLUTION; MERCURY; MERCURY ORGANIC COMPOUNDS	Matthews, A.D. 1983 Environmental Research 30:305-312

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Sheep
OVIS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2243 Adipose	Ingestion, Inhalation	AAS	31	a) <0.02-2.5 mg/kg b) Not applicable c) <0.02-0.16 mg/kg Wet wt	a) 0.11 mg/kg b) <0.02 mg/kg c) 0.03 mg/kg Wet wt	a) Perinephric fat b) Perinephric fat, control c) Mesenteric fat Pure bred Clun ewes and their lambs kept for 23 mo on pasture contaminated by atmospheric emissions from a chlor-alkali plant. Long-term mean air level 0.14 ug/cu m, summer grass level 1.9 mg/kg dry wt United Kingdom SHEEP; RUMEN; JUVENILES; BIOACCUMULATION; INDUSTRIAL EMISSIONS; MERCURY; MERCURY ORGANIC COMPOUNDS; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; LUNGS; MUSCLES; UNITED KINGDOM; ADULTS	Edwards, P.R. Pumphrey, M.W.J. 1982 Journal of the Science of Food and Agriculture 33:237-243
2244 Brain	Ingestion, Inhalation	AAS	a) 30 b) 1	a) <0.02-6.3 mg/kg b) Not applicable Wet wt	a) 0.41 mg/kg b) 0.02 mg/kg Wet wt	a) Exposed sheep b) Control Pure bred Clun ewes and their lambs kept for 23 mo on pasture contaminated by atmospheric emissions from a chlor-alkali plant. Long-term mean air level 0.14 ug/cu m, summer grass level 1.9 mg/kg dry wt United Kingdom SHEEP; RUMEN; JUVENILES; BIOACCUMULATION; INDUSTRIAL EMISSIONS; MERCURY; MERCURY ORGANIC COMPOUNDS; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; LUNGS; MUSCLES; UNITED KINGDOM; ADULTS	Edwards, P.R. Pumphrey, M.W.J. 1982 Journal of the Science of Food and Agriculture 33:237-243

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Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Sheep
OVIS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2245 Kidney	Ingestion, Inhalation	AAS	a) 30 b) 2	a) 0.02-3.4 mg/kg b) 0.03-0.04 mg/kg Wet wt	a) 1.09 mg/kg b) 0.04 mg/kg Wet wt	a) Exposed sheep b) Controls Pure bred Clun ewes and their lambs kept for 23 mo on pasture contaminated by atmospheric emissions from a chlor-alkali plant. Long-term mean air level 0.14 ug/cu m, summer grass level 1.9 mg/kg dry wt United Kingdom SHEEP; RUMEN; JUVENILES; BIOACCUMULATION; INDUSTRIAL EMISSIONS; MERCURY; MERCURY ORGANIC COMPOUNDS; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; LUNGS; MUSCLES; UNITED KINGDOM; ADULTS	Edwards, P.R. Pumphrey, M.W.J. 1982 Journal of the Science of Food and Agriculture 33:237-243
2246 Liver	Ingestion, Inhalation	AAS	a) 30 b) 1	a) <0.02-1.3 mg/kg b) Not applicable Wet wt	a) 0.45 mg/kg b) 0.02 mg/kg Wet wt	a) Exposed sheep b) Control Pure bred Clun ewes and their lambs kept for 23 mo on pasture contaminated by atmospheric emissions from a chlor-alkali plant. Long-term mean air level 0.14 ug/cu m, summer grass level 1.9 mg/kg dry wt United Kingdom SHEEP; RUMEN; JUVENILES; BIOACCUMULATION; INDUSTRIAL EMISSIONS; MERCURY; MERCURY ORGANIC COMPOUNDS; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; LUNGS; MUSCLES; UNITED KINGDOM; ADULTS	Edwards, P.R. Pumphrey, M.W.J. 1982 Journal of the Science of Food and Agriculture 33:237-243
2247 Lung	Ingestion, Inhalation	AAS	a) 29 b) 1	a) <0.02-4.0 mg/kg b) Not applicable Wet wt	a) 0.45 mg/kg b) 0.01 mg/kg Wet wt	a) Exposed sheep b) Control Pure bred Clun ewes and their lambs kept for 23 mo on pasture contaminated by atmospheric emissions from a chlor-alkali plant. Long-term mean air level 0.14 ug/cu m, summer grass level 1.9 mg/kg dry wt United Kingdom SHEEP; RUMEN; JUVENILES; BIOACCUMULATION; INDUSTRIAL EMISSIONS; MERCURY; MERCURY ORGANIC COMPOUNDS; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; LUNGS; MUSCLES; UNITED KINGDOM; ADULTS	Edwards, P.R. Pumphrey, M.W.J. 1982 Journal of the Science of Food and Agriculture 33:237-243

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Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Sheep
OVIS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2248 Muscle	Ingestion, Inhalation	AAS	a) 30 b) 1	a) <0.002-0.09 mg/kg b) Not applicable Wet wt	a) 0.03 mg/kg b) <0.01 mg/kg Wet wt	a) Exposed sheep b) Control Pure bred Clun ewes and their lambs kept for 23 mo on pasture contaminated by atmospheric emissions from a chlor-alkali plant. Long-term mean air level 0.14 ug/cu m, summer grass level 1.9 mg/kg dry wt United Kingdom SHEEP; RUMEN; JUVENILES; BIOACCUMULATION; INDUSTRIAL EMISSIONS; MERCURY; MERCURY ORGANIC COMPOUNDS; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; LUNGS; MUSCLES; UNITED KINGDOM; ADULTS	Edwards, P.R. Pumphrey, M.W.J. 1982 Journal of the Science of Food and Agriculture 33:237-243

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Shoveler
ANAS CLYPEATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2249 Liver		AAS	a) 7 b) 8 c) 4 d) 2 e) 6	a) Not given b) Not given c) Not given d) Not given e) Not given	a) 2.34 +or- 0.78 mg/kg b) 3.07 +or- 1.53 mg/kg c) 4.03 +or- 0.32 mg/kg d) 1.74 mg/kg e) 3.38 +or- 0.63 mg/kg Dry wt	a) September b) October c) November d) December e) January Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Skua, brown
CATHARACTA LONNBERGI

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2250 Liver		AAS	8	Not given	7.5 +or- 4.4 ug/g wet wt	Collected 2/77 and 1/79 Antarctica, Vestfjella (C), Dronning Maud Land Antarctica, Bouvetoya BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Somme, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Skua, south polar
CATHARACTA MACCORMICKI

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2251 Liver		AAS	8	Not given	2.7 +or- 2.1 ug/g wet wt	Collected 2/77 Antarctica, Vestfjella (C), Dronning Maud Land BIRDS; ANTARCTICA; ADIPOSE TISSUE; LIVER; DDE; DDT; HEXACHLOROBENZENE; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Norheim, G. Somme, L. Holt, G. 1982 Environmental Pollution (Series A) 28:233-240

Mercury
7439-97-6
Hg
Atw 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Snipe
GALLINAGO GALLINAGO

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2252 Liver		AAS	a) 9 b) 4 c) 7 d) 6	a) Not given b) Not given c) Not given d) Not given	a) 2.09 +or- 0.32 mg/kg b) 1.26 +or- 0.09 mg/kg c) 2.10 +or- 0.25 mg/kg d) 2.13 +or- 0.35 mg/kg Dry wt	a) October b) November c) December d) January Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Mercury
7439-97-6
Hg
Atw 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Teal
ANAS CRECCA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2253 Liver		AAS	a) 14 b) 12 c) 23 d) 15	a) Not given b) Not given c) Not given d) Not given	a) 1.49 +or- 0.30 mg/kg b) 0.86 +or- 0.11 mg/kg c) 1.41 +or- 0.21 mg/kg d) 2.25 +or- 0.25 mg/kg Dry wt	a) October b) November c) December d) January Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Tuna, bigeye
THUNNUS OBESUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2254 Muscle		AAS	104	0.30-0.87 ppm	0.58 +or- 0.13 ppm	Samples from caudal peduncle area. Wt 47-224 lb, 0.02 ppm increase for each 10 lb of wt. Hawaii HAWAII; MUSCLES; BIOACCUMULATION; FISHES; WATER POLLUTION; MERCURY	Boush, G.M. Thielecke, J.H. 1983 Bulletin of Environmental Contamination and Toxicology 30:291-297

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Tuna, dogtooth
GYMNOSARDA UNICOLOR

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2255 Muscle		AAS	5	a) 0.846-1.96 ppm b) 0.779-1.075 ppm	a) 1.221 ppm b) 1.277 ppm	a) Total Hg b) Methyl Hg Collected 1980. Gutted fish, shoulder samples. Positive correlation between Hg content and wt. Wt 8.1-25.0 kg Indian Ocean (W), Seychelles SEYCHELLES; INDIAN OCEAN; MUSCLES; BIOACCUMULATION; FISHES; WATER POLLUTION; MERCURY; MERCURY ORGANIC COMPOUNDS	Matthews, A.D. 1983 Environmental Research 30:305-312

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Tuna, skipjack
KATSUWONUS PELAMIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2256 Muscle		AAS	5	a) 0.191-0.450 ppm b) 0.177-0.505 ppm	a) 0.290 ppm b) 0.316 ppm	a) Total Hg b) Methyl Hg Collected 1980. Whole, ungutted fish, shoulder samples. Positive correlation between Hg content and wt. Wt 4.0-5.6 kg Indian Ocean (W), Seychelles SEYCHELLES; INDIAN OCEAN; MUSCLES; BIOACCUMULATION; FISHES; WATER POLLUTION; MERCURY; MERCURY ORGANIC COMPOUNDS	Matthews, A.D. 1983 Environmental Research 30:305-312

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Tuna, yellowfin
THUNNUS OBESUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2257 Muscle		AAS	100	0.09-0.39 ppm	0.22 +or- 0.06 ppm	Samples from caudal peduncle area. Wt 22-186 lb, 0.02 ppm increase for each 10 lb of wt. Hawaii HAWAII; MUSCLES; BIOACCUMULATION; FISHES; WATER POLLUTION; MERCURY	Noush, G.M. Thielocke, J.R. 1983 Bulletin of Environmental Contamination and Toxicology 30:291-297
2258 Muscle		AAS	5	a) 0.086-0.368 ppm b) 0.056-0.368 ppm	a) 0.231 ppm b) 0.206 ppm	a) Total Hg b) Methyl Hg Collected 1980. Whole, ungutted fish, shoulder samples. Positive correlation between Hg content and wt. Wt 5.3-24.0 kg Indian Ocean (W), Seychelles SEYCHELLES; INDIAN OCEAN; MUSCLES; BIOACCUMULATION; FISHES; WATER POLLUTION; MERCURY; MERCURY ORGANIC COMPOUNDS	Matthews, A.D. 1983 Environmental Research 30:305-312

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Turtle, snapping
CHELYDRA SERPENTINA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2259 Adipose			a) 5 b) 4 c) 3 d) 2 e) 2 f) 1	a) 0.11-0.26 mg/kg b) 0.08-0.29 mg/kg c) 0.08-0.10 mg/kg d) 0.05-0.11 mg/kg e) 0.06-0.14 mg/kg f) Not applicable	a) 0.15 mg/kg b) 0.16 mg/kg c) 0.09 mg/kg d) 0.08 mg/kg e) 0.10 mg/kg f) 0.30 mg/kg	a) Mississippi River, St. Paul b) Mississippi River, Prairie Island c) Mississippi River, Lake City d) Reeds Lake, Waseca County e) Pomme de Terre River, Glenwood f) Silver Lake, Wright County Red meat, <0.05-0.60% lipid. Length 5.5-15 in., wt 1.8-21.8 lb, estimated age 3->20 yr Minnesota TURTLES; CADMIUM; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION; BIOINDICATORS; ADIPOSE TISSUE; MUSCLES; MINNESOTA	Helwig, D.D. Hora, M.E. 1983 Bulletin of Environmental Contamination and Toxicology 30:186-190
2260 Adipose			a) 5 b) 4 c) 3 d) 1 e) 1 f) 1	a) <0.02-0.02 mg/kg b) <0.02-0.03 mg/kg c) 0.02-0.04 mg/kg d) Not applicable e) Not applicable f) Not applicable	a) 0.02 mg/kg b) 0.03 mg/kg c) 0.02 mg/kg d) <0.02 mg/kg e) 0.03 mg/kg f) 0.04 mg/kg	a) Mississippi River, St. Paul b) Mississippi River, Prairie Island c) Mississippi River, Lake City d) Reeds Lake, Waseca County e) Pomme de Terre River, Glenwood f) Silver Lake, Wright County 25-88% lipid. Length 5.5-15 in., wt 1.8-21.8 lb, estimated age 3->20 yr Minnesota TURTLES; CADMIUM; MERCURY; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION; BIOINDICATORS; ADIPOSE TISSUE; MUSCLES; MINNESOTA	Helwig, D.D. Hora, M.E. 1983 Bulletin of Environmental Contamination and Toxicology 30:186-190

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Vera vera
LUTJANUS BOHAR

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2261 Muscle		AAS	5	a) 0.277-0.465 ppm b) 0.287-0.456 ppm	a) 0.397 ppm b) 0.375 ppm	a) Total Hg b) Methyl Hg Collected 1980. Gilled, gutted fish, shoulder samples. Positive correlation between Hg content and wt. Wt 1.8-8.6 kg Indian Ocean (W), Seychelles SEYCHELLES; INDIAN OCEAN; MUSCLES; BIOACCUMULATION; FISHES; WATER POLLUTION; MERCURY; MERCURY ORGANIC COMPOUNDS	Matthews, A.D. 1983 Environmental Research 30:305-312

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Whiting
MERLUCCIUS BILINARIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2262 Liver		AAS	a) 10 b) 10 c) 10	a) Not given b) Not given c) Not given	a) 0.2 +or- 0.2 ug/g b) 0.13 +or- 0.05 ug/g c) 0.1 +or- 0.1 ug/g Dry wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Mean wt 330 g, mean length 36 cm New York Bight, Rockaway Inlet MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Heit, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207

(NEXT PAGE)

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Whiting
MERLUCCIUS BILINARIS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2261 Muscle		AAS	a) 10 b) 10 c) 10	a) Not given b) Not given c) Not given	a) 0.4 +or- 0.1 ug/g b) 0.4 +or- 0.2 ug/g c) 0.3 +or- 0.1 ug/g Dry wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Mean wt 330 g, mean length 36 cm New York Bight, Rockaway Inlet MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Holt, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207

Mercury
7439-97-6
Hg
AtW 200.59, MP -38.87 C, BP 356.72 C, VP 2X10(E-3) mm Hg at 25 C, 100 mm Hg at 260 C
Wigeon
ANAS PENELOPE

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2264 Liver		AAS	a) 12 b) 10 c) 20 d) 20	a) Not given b) Not given c) Not given d) Not given	a) 0.95 +or- 0.07 mg/kg b) 0.33 +or- 0.07 mg/kg c) 0.28 +or- 0.03 mg/kg d) 0.47 +or- 0.06 mg/kg Dry wt	a) October b) November c) December d) January Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Mercury(1+), methyl-, ion (8 CI)
Mercury(1+), methyl- (9 CI)
22967-92-6
C-H3-Hg
MW 215.63
Catfish
MELANOMATICHTHYS LATIROSTRIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2265 Muscle		AAS	6	0.09-0.23 ug/g	0.17 +or- 0.05 ug/g	Total Hg 0.12-0.28 ug/g. Fillet. Fish wt 0.05-3.1 kg New Guinea, Lake Murray NEW GUINEA; MUSCLES; BIOACCUMULATION; FISHES; WATER POLLUTION; MERCURY; MERCURY ORGANIC COMPOUNDS	Kyle, J.H. Ghani, M. 1982 Archives of Environmental Health 37(5):266-270

Mercury(1+), methyl-, ion (8 CI)
Mercury(1+), methyl- (9 CI)
22967-92-6
C-H3-Hg
MW 215.63
Perch, giant
LATES CALCARIFER

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2266 Muscle		AAS	12	0.19-1.13 ug/g	0.49 +or- 0.33 ug/g	Total Hg 0.23-1.4 ug/g. Fillet. Fish wt 2.5-11.5 kg New Guinea, Lake Murray NEW GUINEA; MUSCLES; BIOACCUMULATION; FISHES; WATER POLLUTION; MERCURY; MERCURY ORGANIC COMPOUNDS	Kyle, J.H. Ghani, M. 1982 Archives of Environmental Health 37(5):266-270

Mercury(1+), methyl-, ion (9 CI)
Mercury(1+), methyl- (9 CI)
22967-92-6
C-H3-Hg
MW 215.63
Sheep
OVIS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2267 Brain	Ingestion, Inhalation	AAS	3	0.016-0.021 mg/kg wet wt	0.019 mg/kg wet wt	1.9-8% of total Hg Pure bred Clun sheep kept for 23 mo on pasture contaminated by atmospheric emissions from a chlor-alkali plant. Long-term mean air level 0.14 ug Hg/cu m, summer grass level 1.9 mg Hg/kg dry wt United Kingdom SHEEP; RUMEN; JUVENILES; BIOACCUMULATION; INDUSTRIAL EMISSIONS; MERCURY; MERCURY ORGANIC COMPOUNDS; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; LUNGS; MUSCLES; UNITED KINGDOM; ADULTS	Edwards, P.R. Pumphrey, M.W.J. 1982 Journal of the Science of Food and Agriculture 33:237-243
2268 Kidney	Ingestion, Inhalation	AAS	2	0.019-0.028 mg/kg wet wt	0.021 mg/kg wet wt	0.6-0.9% of total Hg Pure bred Clun sheep kept for 23 mo on pasture contaminated by atmospheric emissions from a chlor-alkali plant. Long-term mean air level 0.14 ug Hg/cu m, summer grass level 1.9 mg Hg/kg dry wt United Kingdom SHEEP; RUMEN; JUVENILES; BIOACCUMULATION; INDUSTRIAL EMISSIONS; MERCURY; MERCURY ORGANIC COMPOUNDS; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; LUNGS; MUSCLES; UNITED KINGDOM; ADULTS	Edwards, P.R. Pumphrey, M.W.J. 1982 Journal of the Science of Food and Agriculture 33:237-243
2269 Liver	Ingestion, Inhalation	AAS	2	0.015-0.039 mg/kg wet wt	0.027 mg/kg wet wt	0.6-6% of total Hg Pure bred Clun sheep kept for 23 mo on pasture contaminated by atmospheric emissions from a chlor-alkali plant. Long-term mean air level 0.14 ug Hg/cu m, summer grass level 1.9 mg Hg/kg dry wt United Kingdom SHEEP; RUMEN; JUVENILES; BIOACCUMULATION; INDUSTRIAL EMISSIONS; MERCURY; MERCURY ORGANIC COMPOUNDS; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; LUNGS; MUSCLES; UNITED KINGDOM; ADULTS	Edwards, P.R. Pumphrey, M.W.J. 1982 Journal of the Science of Food and Agriculture 33:237-243

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Mercury(1+), methyl-, ion (8 CI)
Mercury(1+), methyl- (9 CI)
22967-92-6
C-H3-Hg
MW 215.63
Sheep
OVIS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2270 Lung		AAS	2	Not applicable	<0.004 mg/kg wet wt	Total Hg 3.8 mg/kg wet wt Pure bred Clun sheep kept for 23 mo on pasture contaminated by atmospheric emissions from a chlor-alkali plant. Long-term mean air level 0.14 ug Hg/cu m, summer grass level 1.9 mg Hg/kg dry wt United Kingdom SHEEP; RUMEN; JUVENILES; BIOACCUMULATION; INDUSTRIAL EMISSIONS; MERCURY; MERCURY ORGANIC COMPOUNDS; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; LUNGS; MUSCLES; UNITED KINGDOM; ADULTS	Edwards, P.R. Pumphrey, M.W.J. 1982 Journal of the Science of Food and Agriculture 33:237-243
2271 Rumen	Ingestion, Inhalation	AAS	1	Not applicable	<0.004 mg/kg wet wt	<0.8% of total Hg Pure bred Clun sheep kept for 23 mo on pasture contaminated by atmospheric emissions from a chlor-alkali plant. Long-term mean air level 0.14 ug Hg/cu m, summer grass level 1.9 mg Hg/kg dry wt United Kingdom SHEEP; RUMEN; JUVENILES; BIOACCUMULATION; INDUSTRIAL EMISSIONS; MERCURY; MERCURY ORGANIC COMPOUNDS; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; LUNGS; MUSCLES; UNITED KINGDOM; ADULTS	Edwards, P.R. Pumphrey, M.W.J. 1982 Journal of the Science of Food and Agriculture 33:237-243

Methane, bromodichloro-
75-27-4
C-H-Br-Cl2
MW 163.83, MP -57.1 C, BP 90 C
Hal

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2272 Body		GC-EC		a) Not given b) Not given	a) 2 ug/kg b) 3 ug/kg Lipid wt	a) 15% fat b) 19% fat Pooled samples of 3-5 fish collected 8/80 in waters polluted by pulp and paper industry Norway, Iddefjord MEASUREMENT METHODS; NORWAY; BROMINATED HYDROCARBONS; CHLORINE ORGANIC COMPOUNDS; BIOACCUMULATION; WATER POLLUTION; FISHES	Ofstad, E.B. Drangsholt, H. Carlberg, G.E. 1981 Science of the Total Environment 20:205-215

Methane, bromodichloro-
75-27-4
C-H-Br-Cl2
MW 163.83, MP -57.1 C, BP 90 C
Sprat

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2273 Body		GC-EC		Not given	3 ug/kg lipid wt	Pooled samples of 3-5 fish, 12% fat. CHBr3 and CHBr2Cl also detected. Collected 7/75 in waters heavily polluted by chemical industry Norway, Frierfjord MEASUREMENT METHODS; NORWAY; BROMINATED HYDROCARBONS; CHLORINE ORGANIC COMPOUNDS; BIOACCUMULATION; WATER POLLUTION; FISHES	Ofstad, E.B. Drangsholt, H. Carlberg, G.E. 1981 Science of the Total Environment 20:205-215

Molybdenum
7439-98-7
Mo
AtW 95.94, MP 2622 C, BP 4825 C (approx), VP 1 mm Hg at 3300 C, 10 mm Hg at 3770 C
Cattle
BOS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2274 Kidney	Ingestion		1	Not applicable	1.1 ppm wet wt	3 yr old Holstein dairy cow fed ration containing a 0.2% Cu supplement. No history of excessive Cu exposure Icterus, hepatic fibrosis, hemoglobinemic nephrosis, death CATTLE; CANADA; AUTOPSIES; KIDNEYS; LIVER; COPPER; MOLYBDENUM; BIOACCUMULATION	Blakley, B.R. Berezowski, J.A. Schiefer, H.B. Armstrong, K.B. 1982 Canadian Veterinary Journal 23:190-192
2275 Liver	Ingestion		1	Not applicable	2.9 ppm wet wt	3 yr old Holstein dairy cow fed ration containing a 0.2% Cu supplement. No history of excessive Cu exposure Icterus, hepatic fibrosis, hemoglobinemic nephrosis, death CATTLE; CANADA; AUTOPSIES; KIDNEYS; LIVER; COPPER; MOLYBDENUM; BIOACCUMULATION	Blakley, B.R. Berezowski, J.A. Schiefer, H.B. Armstrong, K.B. 1982 Canadian Veterinary Journal 23:190-192

Molybdenum
7439-98-7
Mo
AtW 95.94, MP 2622 C, BP 4825 C (approx), VP 1 mm Hg at 3300 C, 10 mm Hg at 3770 C
Clam
RANGIA CUNEATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2276 Body		AAS	42	Not given	<2 ug/g wet wt	Composite samples, adults collected 12/78 prior to operation of ore refinery Mississippi, St. Louis Bay (MS) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29.50-57

Molybdenum
7439-98-7
Mo
AtW 95.94, MP 2622 C, BP 4825 C (approx), VP 1 mm Hg at 3380 C, 10 mm Hg at 3770 C
Oyster
CRASSOSTREA VIRGINICA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2277 Body		AAS		Not given	<2 ug/g wet wt	Collected 12/78 prior to operation of ore refinery. Shucked wet wt 8.5-11.7 g Mississippi, St. Louis Bay (SW) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Naphthalene
91-20-3
C10-H8
MW 128.16, MP 80.1 C, BP 217.9 C, VP 1 mm Hg at 52.6 C
Duck, mallard
ANAS PLATYRHYNCHOS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2278 Eggs	Ingestion	GC GC/MS	1	a) Not given b) Not given c) Not given d) Not given	a) 0.29 ppm b) 0.21 ppm c) 0.25 ppm d) 0.16 ppm Wet wt	a) Saponification, GC b) Saponification, GC/MS c) Mechanical extraction, GC d) Mechanical extraction, GC/MS Better reproducibility with saponification. Pooled eggs from hen on diet containing 25,000 ppm South Louisiana crude oil for 4 mo BIRDS; EGGS; HYDROCARBONS; MEASUREMENT METHODS; MARYLAND; ADULTS	Belisle, A.A. Gay, M.L. Coon, N.C. 1981 Chemosphere 10(11/12):1197-1203

Naphthalene
91-20-3
C10-H8
MW 128.16, MP 80.1 C, BP 217.9 C, VP 1 mm Hg at 52.6 C
Duck, redhead
AYTHYA AMERICANA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2279 Adipose	Ingestion	Radiometry	18	a) Not given b) Not given c) Not given	a) 2,9878.2 dpm/g b) 5,2735.1 dpm/g c) 4,7148.1 dpm/g	a) 1 day b) 2 days c) 3 days Times after force-feeding with crayfish contaminated with C14-naphthalene-5% water soluble fraction of No. 2 fuel oil. Daily dose of petroleum hydrocarbons about 1.25 mg/bird Age 1 yr No overt signs of toxicity BIRDS; POLYCYCLIC AROMATIC HYDROCARBONS; MARYLAND; ADIPOSE TISSUE; BILE; BLOOD; BRAIN; GALL BLADDER; KIDNEYS; LIVER; BIOACCUMULATION	Tarshis, I.B. Rattner, B.A. 1982 Archives of Environmental Contamination and Toxicology 11:155-159
2280 Blood	Ingestion	Radiometry	18	a) Not given b) Not given c) Not given	a) 2331.8 dpm/g b) 5622.2 dpm/g c) 7221.3 dpm/g	a) 1 day b) 2 days c) 3 days Times after force-feeding with crayfish contaminated with C14-naphthalene-5% water soluble fraction of No. 2 fuel oil. Daily dose of petroleum hydrocarbons about 1.25 mg/bird Age 1 yr No overt signs of toxicity BIRDS; POLYCYCLIC AROMATIC HYDROCARBONS; MARYLAND; ADIPOSE TISSUE; BILE; BLOOD; BRAIN; GALL BLADDER; KIDNEYS; LIVER; BIOACCUMULATION	Tarshis, I.B. Rattner, B.A. 1982 Archives of Environmental Contamination and Toxicology 11:155-159

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Naphthalene
91-20-3
C10-H8
MW 128.16, MP 80.1 C, BP 217.9 C, VP 1 mm Hg at 52.6 C
Duck, redhead
AYTHYA AMERICANA

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2281 Brain	Ingestion	Radiometry	14	a) Not given b) Not given c) Not given	a) 893.4 dpm/g b) 1369.3 dpm/g c) 2095.3 dpm/g	a) 1 day b) 2 days c) 3 days Times after force-feeding with crayfish contaminated with C14-naphthalene-5% water soluble fraction of No. 2 fuel oil. Daily dose of petroleum hydrocarbons about 1.25 mg/bird Age 1 yr No overt signs of toxicity BIRDS; POLYCYCLIC AROMATIC HYDROCARBONS; MARYLAND; ADIPOSE TISSUE; BILE; BLOOD; BRAIN; GALL BLADDER; KIDNEYS; LIVER; BIOACCUMULATION	Tarshis, I.B Rattner, B.A. 1982 Archives of Environmental Contamination and Toxicology 11:155-159
2282 Gall bladder	Ingestion	Radiometry	14	a) Not given b) Not given c) Not given	a) 3,5390.6 dpm/g b) 5,2889.0 dpm/g c) 7,0494.6 dpm/g	a) 1 day b) 2 days c) 3 days Times after force-feeding with crayfish contaminated with C14-naphthalene-5% water soluble fraction of No.2 fuel oil. Daily dose of petroleum hydrocarbon about 1.25 mg/bird Gallbladder and bile. Age 1 yr No overt signs of toxicity BIRDS; POLYCYCLIC AROMATIC HYDROCARBONS; MARYLAND; ADIPOSE TISSUE; BILE; BLOOD; BRAIN; GALL BLADDER; KIDNEYS; LIVER; BIOACCUMULATION	Tarshis, I.B. Rattner, B.A. 1982 Archives of Environmental Contamination and Toxicology 11:155-159

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Naphthalene
91-20-3
C10-H8
MW 128.16, MP 80.1 C, BP 217.9 C, VP 1 mm Hg at 52.6 C
Duck, redhead
AYTHYA AMERICANA

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2283 Kidney	Ingestion	Radiometry	14	a) Not given b) Not given c) Not given	a) 3983.9 dpm/g b) 6964.2 dpm/g c) 9703.5 dpm/g	a) 1 day b) 2 days c) 3 days Times after force-feeding with crayfish contaminated with C14-naphthalene-5% water soluble fraction of No. 2 fuel oil. Daily dose of petroleum hydrocarbons about 1.25 mg/bird Age 1 yr No overt signs of toxicity BIRDS; POLYCYCLIC AROMATIC HYDROCARBONS; MARYLAND; ADIPOSE TISSUE; BILE; BLOOD; BRAIN; GALL BLADDER; KIDNEYS; LIVER; BIOACCUMULATION	Tarshis, I.B. Rattner, B.A. 1982 Archives of Environmental Contamination and Toxicology 11:155-159
2284 Liver	Ingestion	Radiometry	14	a) Not given b) Not given c) Not given	a) 3483.1 dpm/g b) 4794.0 dpm/g c) 8035.6 dpm/g	a) 1 day b) 2 days c) 3 days Times after force-feeding with crayfish contaminated with C14-naphthalene-5% water soluble fraction of No. 2 fuel oil. Daily dose of petroleum hydrocarbons about 1.25 mg/bird Age 1 yr No overt signs of toxicity BIRDS; POLYCYCLIC AROMATIC HYDROCARBONS; MARYLAND; ADIPOSE TISSUE; BILE; BLOOD; BRAIN; GALL BLADDER; KIDNEYS; LIVER; BIOACCUMULATION	Tarshis, I.B. Rattner, B.A. 1982 Archives of Environmental Contamination and Toxicology 11:155-159

Naphthalene
91-20-3
C10-H8
MW 128.16, MP 80.1 C, BP 217.9 C, VP 1 mm Hg at 52.6 C
Sole, English
PAROPHRYS VETULUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2285 Bile	Ingestion	Radiometry	a) 5 b) 3 c) 3 d) 3 e) 5 f) 3 g) 3 h) 3	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given	a) 810 +or- 328 pmoles/g b) 1414 +or- 586 pmoles/g c) 121 +or- 35 pmoles/g d) 276 +or- 198 pmoles/g e) 5350 +or- 4190 pmoles/g f) 9400 +or- 6000 pmoles/g g) 5890 +or- 1600 pmoles/g h) 12400 +or- 8500 pmoles/g Dry wt	a) 24 hr, males b) 24 hr, females c) 168 hr, males d) 168 hr, females e) 24 hr, males, metabolites f) 24 hr, females, metabolites g) 168 hr, males, metabolites h) 168 hr, females, metabolites Times after force-feeding 140 uCi [H3]NPH Dihydrodiol and glucuronides major metabolites Wt 366 +or- 70 g (gravid females), 296 +or- 45 g (ripe males) Washington, Port Orchard POLYCYCLIC AROMATIC HYDROCARBONS; WASHINGTON; ADULTS; BILE; BLOOD; LIVER; MUSCLES; OVARIES; TESTES; BIOACCUMULATION; FISHES; METABOLITES	Reichert, W.L. Varanasi, U. 1982 Environmental Research 27:316-324
2286 Blood	Ingestion	Radiometry	a) 5 b) 3 c) 3 d) 3 e) 5 f) 3 g) 3 h) 3	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given	a) 412 +or- 356 pmoles/g b) 403 +or- 146 pmoles/g c) 47 +or- 46 pmoles/g d) 71 +or- 52 pmoles/g e) 39 +or- 19 pmoles/g f) 56 +or- 37 pmoles/g g) 18 +or- 9 pmoles/g h) 12 +or- 5 pmoles/g Dry wt	a) 24 hr, males b) 24 hr, females c) 168 hr, males d) 168 hr, females e) 24 hr, males, metabolites f) 24 hr, females, metabolites g) 168 hr, males, metabolites h) 168 hr, females, metabolites Times after force-feeding 140 uCi [H3]NPH Dihydrodiol and glucuronides major metabolites Wt 366 +or- 70 g (gravid females), 296 +or- 45 g (ripe males) Washington, Port Orchard POLYCYCLIC AROMATIC HYDROCARBONS; WASHINGTON; ADULTS; BILE; BLOOD; LIVER; MUSCLES; OVARIES; TESTES; BIOACCUMULATION; FISHES; METABOLITES	Reichert, W.L. Varanasi, U. 1982 Environmental Research 27:316-324

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Naphthalene
91-20-3
C10-H8
MW 128.16, MP 80.1 C, BP 217.9 C, VP 1 mm Hg at 52.6 C
Sole, English
PAROPHRYS VETULUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2287 Liver	Ingestion	Radiometry	a) 5 b) 3 c) 3 d) 3 e) 5 f) 3 g) 3 h) 3	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given	a) 4760 +or- 690 pmoles/g b) 1388 +or- 581 pmoles/g c) 181 +or- 141 pmoles/g d) 96 +or- 85 pmoles/g e) 61 +or- 40 pmoles/g f) 62 +or- 40 pmoles/g g) 11 +or- 5 pmoles/g h) 12 +or- 5 pmoles/g Dry wt	a) 24 hr, males b) 24 hr, females c) 168 hr, males d) 168 hr, females e) 24 hr, males, metabolites f) 24 hr, females, metabolites g) 168 hr, males, metabolites h) 168 hr, females, metabolites Times after force-feeding 140 uCi [H3]NPH Dihydrodiol and glucuronides major metabolites Wt 366 +or- 70 g (gravid females), 296 +or- 45 g (ripe males) Washington, Port Orchard POLYCYCLIC AROMATIC HYDROCARBONS; WASHINGTON; ADULTS; BILE; BLOOD; LIVER; MUSCLES; OVARIES; TESTES; BIOACCUMULATION; FISHES; METABOLITES	Reichert, W.L. Varanasi, U. 1982 Environmental Research 27:316-324
2288 Muscle	Ingestion	Radiometry	a) 5 b) 3 c) 3 d) 3 e) 5 f) 3 g) 3 h) 3	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given	a) 137 +or- 81 pmoles/g b) 207 +or- 85 pmoles/g c) 16 +or- 8 pmoles/g d) 16 +or- 9 pmoles/g e) 10 +or- 7 pmoles/g f) 18 +or- 12 pmoles/g g) 0.5 +or- 0.5 pmoles/g h) 0.9 +or- 0.6 pmoles/g Dry wt	a) 24 hr, males b) 24 hr, females c) 168 hr, males d) 168 hr, females e) 24 hr, males, metabolites f) 24 hr, females, metabolites g) 168 hr, males, metabolites h) 168 hr, females, metabolites Times after force-feeding 140 uCi [H3]NPH Dihydrodiol and glucuronides major metabolites Wt 366 +or- 70 g (gravid females), 296 +or- 45 g (ripe males) Washington, Port Orchard POLYCYCLIC AROMATIC HYDROCARBONS; WASHINGTON; ADULTS; BILE; BLOOD; LIVER; MUSCLES; OVARIES; TESTES; BIOACCUMULATION; FISHES; METABOLITES	Reichert, W.L. Varanasi, U. 1982 Environmental Research 27:316-324

(NEXT PAGE)

Naphthalene
91-20-3
C10-H8
MW 128.16, MP 80.1 C, BP 217.9 C, VP 1 mm Hg at 52.6 C
Sole, English
FARONERTS VETULUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2289 Ovary	Ingestion	Radiometry	a) 5 b) 3 c) 5 d) 3	a) Not given b) Not given c) Not given d) Not given	a) 862 +or- 325 pmoles/g b) 40 +or- 21 pmoles/g c) 20 +or- 14 pmoles/g d) 1 +or- 0.2 pmoles/g Dry wt	a) 24 hr b) 168 hr c) 24 hr, metabolites d) 168 hr, metabolites Times after force-feeding 140 uCi [H3]NPH. Dihydrodiol and glucuronides major metabolites Gravid fish, wt 366 +or- 70 g Washington, Port Orchard POLYCYCLIC AROMATIC HYDROCARBONS; WASHINGTON; ADULTS; BILE; BLOOD; LIVER; MUSCLES; OVARIES; TESTES; BIOACCUMULATION; FISHES; METABOLITES	Meichert, W.L. Varanasi, U. 1982 Environmental Research 27:316-324
2290 Testis	Ingestion	Radiometry	a) 5 b) 3 c) 5 d) 3	a) Not given b) Not given c) Not given d) Not given	a) 271 +or- 117 pmoles/g b) 9 +or- 17 pmoles/g c) 26 +or- 24 pmoles/g d) 6 +or- 1 pmoles/g Dry wt	a) 24 hr b) 168 hr c) 24 hr, metabolites d) 168 hr, metabolites Times after force-feeding 140 uCi [H3]NPH. Dihydrodiol and glucuronides major metabolites Adults, wt 296 +or- 45 g Washington, Port Orchard POLYCYCLIC AROMATIC HYDROCARBONS; WASHINGTON; ADULTS; BILE; BLOOD; LIVER; MUSCLES; OVARIES; TESTES; BIOACCUMULATION; FISHES; METABOLITES	Meichert, W.L. Varanasi, U. 1982 Environmental Research 27:316-324

Naphthalene, decahydro-, trans-
493-02-7
C10-H18
MW 138.25, MP 187.25 C, BP -30.40 C
Duck, mallard
ANAS PLATYRHYNCHOS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2291 Eggs	Ingestion	GC GC/MS	1	a) Not given b) Not given c) Not given d) Not given	a) 0.12 ppm b) 0.8 ppm c) 0.16 ppm d) 0.20 ppm Wet wt	a) Saponification, GC b) Saponification, GC/MS c) Mechanical extraction, GC d) Mechanical extraction, GC/MS Better reproducibility with saponification. Pooled eggs from hen on diet containing 25,000 ppm South Louisiana crude oil for 4 mo BIRDS; EGGS; HYDROCARBONS; MEASUREMENT METHODS; MARYLAND; ADULTS	Belisle, A.A. Gay, M.L. Coon, M.C. 1981 Chemosphere 10(11/12):1197-1203

Naphthalene, methyl-
1321-94-4
C11-H10
MW 142, MP -22 C, BP 244.6 C
Duck, mallard
ANAS PLATYRHYNCHOS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2292 Eggs	Ingestion	GC GC/MS	1	a) Not given b) Not given c) Not given d) Not given	a) 0.22 ppm b) 0.15 ppm c) 0.32 ppm d) 0.11 ppm Wet wt	a) Saponification, GC b) Saponification, GC/MS c) Mechanical extraction, GC d) Mechanical extraction, GC/MS Better reproducibility with saponification. Pooled eggs from hen on diet containing 25,000 ppm South Louisiana crude oil for 4 mo BIRDS; EGGS; HYDROCARBONS; MEASUREMENT METHODS; MARYLAND; ADULTS	Belisle, A.A. Gay, M.L. Coon, M.C. 1981 Chemosphere 10(11/12):1197-1203

Naphthalene, 1,2,3,4-tetrahydro-
119-64-2
C10-H12
MW 132.21, MP -31 C, BP 207.57, VP 1 mm Hg at 38 C
Duck, mallard
ANAS PLATYRHYNCHOS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2293 Eggs	Ingestion	GC GC/MS	1	a) Not given b) Not given c) Not given	a) 0.32 ppm b) 0.031 ppm c) 0.026 ppm Wet wt	a) Saponification, GC/MS b) Mechanical extraction, GC c) Mechanical extraction, GC/MS Better reproducibility with saponification. Pooled eggs from hen on diet containing 25,000 ppm South Louisiana crude oil for 4 mo BIRDS; EGGS; HYDROCARBONS; MEASUREMENT METHODS; MARYLAND; ADULTS	Belisle, A.A. Gay, M.L. Coon, M.C. 1981 Chemosphere 10(11/12):1197-1203

Naphthalene, 1,3,5-trimethyl-
2131-39-7
C13-H14
MW 170.27
Duck, mallard
ANAS PLATYRHYNCHOS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2294 Eggs	Ingestion	GC GC/MS	1	a) Not given b) Not given c) Not given d) Not given	a) 0.041 ppm b) 0.035 ppm c) 0.071 ppm d) 0.29 ppm Wet wt	a) Saponification, GC b) Saponification, GC/MS c) Mechanical extraction, GC d) Mechanical extraction, GC/MS Better reproducibility with saponification. Pooled eggs from hen on diet containing 25,000 ppm South Louisiana crude oil for 4 mo BIRDS; EGGS; HYDROCARBONS; MEASUREMENT METHODS; MARYLAND; ADULTS	Belisle, A.A. Gay, M.L. Coon, M.C. 1981 Chemosphere 10(11/12):1197-1203

Naphthalene, 1,5-dimethyl-
571-61-9
C12-H12
MW 156.24, MP 80.0-80.5 C
Duck, mallard
ANAS PLATYRHYNCHOS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2295 Eggs	Ingestion	GC GC/MS	1	a) Not given b) Not given c) Not given d) Not given	a) 0.075 ppm b) 0.12 ppm c) 0.24 ppm d) 0.063 ppm Wet wt	a) Saponification, GC b) Saponification, GC/MS c) Mechanical extraction, GC d) Mechanical extraction, GC/MS Better reproducibility with saponification. Pooled eggs from hen on diet containing 25,000 ppm South Louisiana crude oil for 4 mo BIRDS; EGGS; HYDROCARBONS; MEASUREMENT METHODS; MARYLAND; ADULTS	Bellsle, A.A. Gay, M.L. Coon, N.C. 1981 Chemosphere 10(11/12):1197-1203

Naphthalene, 2-ethyl-
939-27-5
C12-H12
MW 156.23, MP -7.4 C, BP 257.9 C
Duck, mallard
ANAS PLATYRHYNCHOS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2296 Eggs	Ingestion	GC GC/MS	1	a) Not given b) Not given c) Not given d) Not given	a) 0.042 ppm b) 0.038 ppm c) 0.066 ppm d) 0.070 ppm Wet wt	a) Saponification, GC b) Saponification, GC/MS c) Mechanical extraction, GC d) Mechanical extraction, GC/MS Better reproducibility with saponification. Pooled eggs from hen on diet containing 25,000 ppm South Louisiana crude oil for 4 mo BIRDS; EGGS; HYDROCARBONS; MEASUREMENT METHODS; MARYLAND; ADULTS	Bellsle, A.A. Gay, M.L. Coon, N.C. 1981 Chemosphere 10(11/12):1197-1203

Nickel
7440-02-0
Ni
AtW 58.71, MP 1455 C, BP 2837 C, VP 10 mm Hg at 2090 C, 100 mm Hg at 2370 C
Bluefish, marine
POMATOMUS SALTATRIX

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2297 Muscle		AAS	a) 1-3 b) 1 c) 1 d) 1	a) Not given b) Not given c) Not given d) Not given	a) 1.8 +or- 1.5 ug/g b) 0.64 +or- 0 ug/g c) 1.2 +or- 1.2 ug/g d) 1.2 +or- 1.5 ug/g Dry wt	a) Stainless steel b) Titanium c) Lexan plastic d) Teflon-coated stainless steel Dissecting tool materials Dorsal muscle, fish wt 917-20 g, length 43.5-44.2 cm Virginia, Exmore TELLURIUM; MOLLUSKS; NEW YORK; BODY; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION; FISHES	Holt, M. Klusek, C.S. 1982 Science of the Total Environment 24:129-134

Nickel
7440-02-0
Ni
AtW 58.71, MP 1455 C, BP 2837 C, VP 10 mm Hg at 2090 C, 100 mm Hg at 2370 C
Canvasback
AYTHYA VALISINERIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2298 Liver		AAS	a) 5 b) 5 c) 5 d) 5	a) Not given b) Not given c) Not given d) <0.02-0.04 ppm Wet wt	a) 0.02 ppm b) 0.02 ppm c) 0.02 ppm d) <0.02 ppm Wet wt Geometric means	a) Adult males b) Adult females c) Immature males d) Immature females Collected 1976 Iowa, Keokuk, Mississippi River BIRDS; JUVENILES; IOWA; WISCONSIN; ADULTS; BONES; KIDNEYS; LIVER; BIOACCUMULATION; CADMIUM; LEAD; MERCURY; NICKEL	Fleming, W.J. 1981 Journal of Wildlife Management 45(2):508-511

Nickel
7440-02-0
Ni
AtW 58.71, MP 1455 C, BP 2837 C, VP 10 mm Hg at 2090 C, 100 mm Hg at 2370 C
Cattle
BOS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2299 Blood	Ingestion	AAS	48	a) Not given b) Not given c) Not given	a) <0.10 mg/l b) <0.10 mg/l c) <0.10 mg/l	a) Control pasture, Pensacola bahiagrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season 168 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Edds, G.T. West, R.L. 1981 Journal of Animal Science 53(1):146-153
2300 Kidney	Ingestion	AAS	48	a) Not given b) Not given c) Not given	a) <or= 0.22 mg/kg b) 0.64 +or- 0.17 mg/kg c) <0.10 mg/kg Wet wt	a) Control pasture, Pensacola bahiagrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season 168 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Edds, G.T. West, R.L. 1981 Journal of Animal Science 53(1):146-153

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Nickel
7440-02-0
Ni
AtW 58.71, MP 1455 C, BP 2837 C, VP 10 mm Hg at 2090 C, 100 mm Hg at 2370 C
Cattle
BOS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2301 Liver	Ingestion	AAS	48	a) Not given b) Not given c) Not given	a) <or= 0.18 mg/kg b) <or= 0.56 mg/kg c) <0.10 mg/kg Wet wt	a) Control pasture, Pensacola bahiagrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season 168 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Edds, G.T. West, R.L. 1981 Journal of Animal Science 53(1):146-153
2302 Muscle	Ingestion	AAS	48	a) Not given b) Not given c) Not given	a) <or= 0.37 mg/kg b) <or= 0.58 mg/kg c) <0.10 mg/kg Wet wt	a) Control pasture, Pensacola bahiagrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season 168 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Edds, G.T. West, R.L. 1981 Journal of Animal Science 53(1):146-153

Nickel
7440-02-0
Ni
AtW 58.71, MP 1455 C, BP 2837 C, VP 10 mm Hg at 2090 C, 100 mm Hg at 2370 C
Clam
RANGIA CUNEATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2303 Body		AAS	42	Not given	<0.2 ug/g wet wt	Composite samples, adults collected 12/78 prior to operation of ore refinery Mississippi, St. Louis Bay (MW) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Nickel
7440-02-0
Ni
AtW 58.71, MP 1455 C, BP 2837 C, VP 10 mm Hg at 2090 C, 100 mm Hg at 2370 C
Crab

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2304 Body		AAS	12	0.45-0.65 ug/g wet wt	0.57 ug/g wet wt	Collected 6/81 in sewage outfall area. Mean sediment concentration 29 ug/g wt 36.7-163.9 g Saudi Arabia, Arabian Gulf, AD-Dammam CRUSTACEANS; SAUDI ARABIA; JUVENILES; SEDIMENTS; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BIOACCUMULATION; WATER POLLUTION; BODY	Sadiq, M. Zaidi, T.H. Noda, A. Mian, A.A. 1982 Bulletin of Environmental Contamination and Toxicology 29:313-319

Nickel
7440-02-0
Ni
AtW 58.71, MP 1455 C, BP 2837 C, VP 10 mm Hg at 2090 C, 100 mm Hg at 2370 C
Fish
MOTOPTERUS MOTOPTERUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2305 Brain		Colorimetry	a) 10 b) 10 c) 10 d) 10 e) 10 f) 10 g) 10	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 2.08 +or- 0.35 mg/g b) 1.76 +or- 0.23 mg/g c) 1.60 +or- 0.22 mg/g d) 1.44 +or- 0.29 mg/g e) 1.48 +or- 0.19 mg/g f) 1.67 +or- 0.13 mg/g g) 1.26 +or- 0.16 mg/g Wet wt	a) 50.1 mg NiCl for 1 mo b) Tap water c) 0.134 mmole/l nitrilotriacetic acid (NTA) d) 0.134 mmole/l EDTA e) 0.134 mmole/l DDTA f) 0.134 mmole/l DTPA g) 0.134 mmole/l sodium diethyldithiocarbamate (DDC) b)-g) amounts of Ni mobilized after 7 days, fish previously exposed to 50.1 NiCl/l for 1 mo Adults, length 86-110 mm, wt 14.4-19 g India GILLS; INDIA; ADULTS; BRAIN; KIDNEYS; LIVER; BIOACCUMULATION; FISHES; CHROMIUM; MERCURY; NICKEL	Verma, S.R. Jain, N. Dalela, R.C. 1981 Environmental Research 26:328-334
2306 Gills		Colorimetry	a) 10 b) 10 c) 10 d) 10 e) 10 f) 10 g) 10	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 6.00 +or- 0.17 mg/g b) 5.54 +or- 0.42 mg/g c) 4.30 +or- 0.38 mg/g d) 4.12 +or- 0.25 mg/g e) 4.16 +or- 0.29 mg/g f) 4.82 +or- 0.24 mg/g g) 2.87 +or- 0.23 mg/g Wet wt	a) 50.1 mg NiCl for 1 mo b) Tap water c) 0.134 mmole/l nitrilotriacetic acid (NTA) d) 0.134 mmole/l EDTA e) 0.134 mmole/l DDTA f) 0.134 mmole/l DTPA g) 0.134 mmole/l sodium diethyldithiocarbamate (DDC) b)-g) amounts of Ni mobilized after 7 days, fish previously exposed to 50.1 NiCl/l for 1 mo Adults, length 86-110 mm, wt 14.4-19 g India GILLS; INDIA; ADULTS; BRAIN; KIDNEYS; LIVER; BIOACCUMULATION; FISHES; CHROMIUM; MERCURY; NICKEL	Verma, S.R. Jain, N. Dalela, R.C. 1981 Environmental Research 26:328-334

(NEXT PAGE)

Nickel
7440-02-0
Ni
AtW 58.71, MP 1455 C, BP 2837 C, VP 10 mm Hg at 2090 C, 100 mm Hg at 2370 C
Fish
NOTOPTERUS NOTOPTERUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2307 Kidney		Colorimetry	a) 10 b) 10 c) 10 d) 10 e) 10 f) 10 g) 10	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 3.14 +or- 0.65 mg/g b) 2.90 +or- 0.62 mg/g c) 2.52 +or- 0.40 mg/g d) 1.94 +or- 0.38 mg/g e) 2.32 +or- 0.39 mg/g f) 2.60 +or- 0.48 mg/g g) 1.82 +or- 0.50 mg/g Wet wt	a) 50.1 mg NiCl for 1 mo b) Tap water c) 0.134 mmole/l nitrilotriacetic acid (NTA) d) 0.134 mmole/l EDTA e) 0.134 mmole/l DDTA f) 0.134 mmole/l DTPA g) 0.134 mmole/l sodium diethyldithiocarbamate (DDC) b)-g) amounts of Ni mobilized after 7 days, fish previously exposed to 50.1 NiCl/l for 1 mo Adults, length 86-110 mm, wt 14.4-19 g India GILLS; INDIA; ADULTS; BRAIN; KIDNEYS; LIVER; BIOACCUMULATION; FISHES; CHROMIUM; MERCURY; NICKEL	Verma, S.R. Jain, N. Dalela, R.C. 1981 Environmental Research 26:328-334
2308 Liver		Colorimetry	a) 10 b) 10 c) 10 d) 10 e) 10 f) 10 g) 10	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 4.08 +or- 0.12 mg/g b) 3.80 +or- 0.59 mg/g c) 3.08 +or- 0.38 mg/g d) 2.67 +or- 0.53 mg/g e) 2.75 +or- 0.49 mg/g f) 3.10 +or- 0.62 mg/g g) 1.65 +or- 0.60 mg/g Wet wt	a) 50.1 mg NiCl for 1 mo b) Tap water c) 0.134 mmole/l nitrilotriacetic acid (NTA) d) 0.134 mmole/l EDTA e) 0.134 mmole/l DDTA f) 0.134 mmole/l DTPA g) 0.134 mmole/l sodium diethyldithiocarbamate (DDC) b)-g) amounts of Ni mobilized after 7 days, fish previously exposed to 50.1 NiCl/l for 1 mo Adults, length 86-110 mm, wt 14.4-19 g India GILLS; INDIA; ADULTS; BRAIN; KIDNEYS; LIVER; BIOACCUMULATION; FISHES; CHROMIUM; MERCURY; NICKEL	Verma, S.R. Jain, N. Dalela, R.C. 1981 Environmental Research 26:328-334

Nickel
7440-02-0
Ni
AtW 58.71, MP 1455 C, BP 2837 C, VP 10 mm Hg at 2090 C, 100 mm Hg at 2370 C
Mollusk
CRASSOSTREA MARGARITACEA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2309 Body		AAS	10	a) Not given b) Not given	a) 0.03 +or- 0.02 ug/g b) 0.28 +or- 0.09 ug/g Wet wt	a) Controls b) 100 ug/l for 3 wk South Africa, Knysna Heads MOLLUSKS; BIOACCUMULATION; BIOINDICATORS; WATER POLLUTION; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BODY; SOUTH AFRICA	Watling, H.R. 1983 Bulletin of Environmental Contamination and Toxicology 30:317-322
2310 Body		AAS	10	a) Not given b) Not given	a) 0.38 +or- 0.11 ug/g b) 0.82 +or- 0.35 ug/g Wet wt	a) Controls b) 100 ug/l for 3 wk South Africa, Knysna Heads MOLLUSKS; BIOACCUMULATION; BIOINDICATORS; WATER POLLUTION; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BODY; SOUTH AFRICA	Watling, H.R. 1983 Bulletin of Environmental Contamination and Toxicology 30:317-322
2311 Body		AAS	10	a) Not given b) Not given	a) 0.09 +or- 0.06 ug/g b) 0.65 +or- 0.13 ug/g Wet wt	a) Controls b) 100 ug/l for 3 wk South Africa, Cape Town, Bloubergstrand MOLLUSKS; BIOACCUMULATION; BIOINDICATORS; WATER POLLUTION; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BODY; SOUTH AFRICA	Watling, H.R. 1983 Bulletin of Environmental Contamination and Toxicology 30:317-322

Nickel
7440-02-0
Ni
AtW 58.71, MP 1455 C, BP 2837 C, VP 10 mm Hg at 2090 C, 100 mm Hg at 2370 C
Mussel
MYTILUS EDULIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2312 Body		AAS	a) 20 b) 20 c) 20 d) 20 e) 20 f) 20 g) 20 h) 20 i) 20	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given	a) 1.0 ug b) 0.8 ug c) 3.6 ug d) 3.0 ug e) 3.2 ug f) 2.5 ug g) 2.4 ug h) 3.1 ug i) 3.0 ug	a) 10/23/79, wt 0.467 g b) 11/14/79, wt 0.692 g c) 1/14/80, wt 0.680 g d) 2/11/80, wt 0.626 g e) 3/10/80, wt 0.581 g f) 4/8/80, wt 0.630 g g) 5/7/80, wt 0.616 g h) 6/2/80, wt 0.646 g i) 6/17/80 wt 0.818 g Somatic tissue. Pooled samples Sexually mature population, size 50-60 mm Oregon, Newport, Yaquina Bay MOLLUSKS; GONADS; OREGON; ADULTS; BODY; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; MANGANESE; NICKEL; VANADIUM; ZINC	Latouche, Y.D. Hix, M.C. 1981 Bulletin of Environmental Contamination and Toxicology 27:821-828
2313 Body		AAS	a) 12 b) 12 c) 8	a) Not given b) Not given c) Not given	a) 1.3 +or- 0.6 ug/g b) 4 +or- 2 ug/g c) 3 +or- 2 ug/g Dry wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Soft tissue wet wt 2.7-20.4 g Maine MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Holt, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207
2314 Gonads		AAS	a) 20 b) 20 c) 20 d) 20 e) 20 f) 20 g) 20	a) Not detected b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) Not detected b) 0.47 ug c) 0.63 ug d) 0.46 ug e) 0.29 ug f) 0.31 ug g) 0.54 ug	a) 10/23/79, wt 0.154 g b) 2/11/80, wt 0.151 g c) 3/10/80, wt 0.169 g d) 4/8/80, wt 0.209 g e) 5/7/80, wt 0.112 g f) 6/2/80, wt 0.128 g g) 6/17/80, wt 0.258 g Pooled samples Sexually mature population, size 50-53 mm Oregon, Newport, Yaquina Bay MOLLUSKS; GONADS; OREGON; ADULTS; BODY; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; MANGANESE; NICKEL; VANADIUM; ZINC	Latouche, Y.D. Hix, M.C. 1981 Bulletin of Environmental Contamination and Toxicology 27:821-828

Nickel
7440-02-0
Ni
AtW 58.71, MP 1455 C, BP 2837 C, VP 10 mm Hg at 2090 C, 100 mm Hg at 2370 C
Mussel, freshwater
ELLIPTIO COMPLANATUS, LAMPSILUS RADIATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2315 Body		AAS	a) Several 100 b) 36	a) Not given b) Not given	a) 6.5 +or- 2.3 ug/g b) 3.2 +or- 1.1 ug/g Dry wt	a) Homogenized in food processor with stainless-steel blades b) Unhomogenized Soft tissues, mussels wet wt 2-12 g New York, Lake George TELLURIUM; MOLLUSKS; NEW YORK; BODY; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION; FISHES	Heit, M. Klusek, C.S. 1982 Science of the Total Environment 24:129-134

Nickel
7440-02-0
Ni
AtW 58.71, MP 1455 C, BP 2837 C, VP 10 mm Hg at 2090 C, 100 mm Hg at 2370 C
Oyster
CRASSOSTREA VIRGINICA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2316 Body		AAS		Not given	<0.2 ug/g wet wt	Collected 12/78 prior to operation of ore refinery. Shucked wet wt 4.5-11.7 g Mississippi, St. Louis Bay (SW) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Nickel
7440-02-0
Ni
AtW 58.71, MP 1455 C, BP 2837 C, VP 10 mm Hg at 2090 C, 100 mm Hg at 2370 C
Oyster, Pacific
CRASSOSTREA GIGAS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2317 Body		AAS	10	a) Not given b) Not given	a) 0.04 +or- 0.02 ug/g b) 0.47 +or- 0.24 ug/g Wet wt	a) Controls b) 100 ug/l for 3 wk South Africa, Knysna Heads MOLLUSKS; BIOACCUMULATION; BIOINDICATORS; WATER POLLUTION; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BODY; SOUTH AFRICA	Watling, H.R. 1983 Bulletin of Environmental Contamination and Toxicology 30:317-322

Nickel
7440-02-0
Ni
AtW 58.7., MP 1455 C, BP 2837 C, VP 10 mm Hg at 2090 C, 100 mm Hg at 2370 C
Shrimp
PENAEUS SEMISULCATUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2318 Body		AAS	63	0.37-0.84 ug/g wet wt	0.56 ug/g wet wt	Collected 6/81 in sewage outfall area. Mean sediment concentration 29 ug/g Juveniles, wt 2.6-10.1 g Saudi Arabia, Arabian Gulf, AD-Dammam CRUSTACEANS; SAUDI ARABIA; JUVENILES; SEDIMENTS; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BIOACCUMULATION; WATER POLLUTION; BODY	Hadiq, M. Saidi, T.H. Hoda, A. Nian, A.A. 1982 Bulletin of Environmental Contamination and Toxicology 29:313-319

Nickel
7440-02-0
Ni
AtW 58.71, MP 1455 C, BP 2837 C, VP 10 mm Hg at 2090 C, 100 mm Hg at 2378 C
Whiting
MERLUCCIUS BILINARIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2319 Liver		AAS	a) 10 b) 10 c) 10	a) Not given b) Not given c) Not given	a) 0.7 +or- 0.6 ug/g b) 0.7 +or- 0.6 ug/g c) 1.4 +or- 0.8 ug/g Dry wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Mean wt 330 g, mean length 36 cm New York Bight, Rockaway Inlet MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Holt, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207
2320 Muscle		AAS	a) 10 b) 10 c) 10	a) Not given b) Not given c) Not given	a) 0.8 +or- 0.5 ug/g b) 0.8 +or- 0.2 ug/g c) 0.4 +or- 0.2 ug/g Dry wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Mean wt 330 g, mean length 36 cm New York Bight, Rockaway Inlet MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Holt, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207

Nonadecane
629-92-5
C19-H40
MW 268.53, MP 32.1 C, BP 329.7 C, VP 1 mm Hg at 133.2 C
Chub, flathead
HYBOPSIS GRACILIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2321 Body		GC/MS		a) Not given b) Not given	a) 2.9 ug/g b) 3.7 ug/g Wet wt	a) Powder River, Locate b) Powder River Mouth Composite samples of 2-10 fish Montana (E) ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Welch, E.J. Kuehl, D.W. Leonard, E.N. Veith, G.D. Schoenthal, E.D. 1981 Bulletin of Environmental Contamination and Toxicology 26:724-728

Nonadecane
629-92-5
C19-H40
MW 268.53, MP 32.1 C, BP 329.7 C, VP 1 mm Hg at 133.2 C
Chub, lake
COURSIUS PLUMBEUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2322 Body		GC/MS		Not given	5.0 ug/g wet wt	Composite sample Montana (E), Big Horn River, Hardin ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Welch, E.J. Kuehl, D.W. Leonard, E.N. Veith, G.D. Schoenthal, H.D. 1981 Bulletin of Environmental Contamination and Toxicology 26:724-728

Nonadecane
629-92-5
C19-H40
MW 268.53, MP 32.1 C, BP 329.7 C, VP 1 mm Hg at 133.2 C
Duck, mallard
ANAS PLATYRHYNCHOS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2323 Eggs	Ingestion	GC GC/MS	1	a) Not given b) Not given c) Not given d) Not given	a) 0.63 ppm b) 0.90 ppm c) 0.30 ppm d) 0.60 ppm Wet wt	a) Saponification, GC b) Saponification, GC/MS c) Mechanical extraction, GC d) Mechanical extraction, GC/MS Better reproducibility with saponification. Pooled eggs from hen on diet containing 25,000 ppm South Louisiana crude oil for 4 mo BIRDS; EGGS; HYDROCARBONS; MEASUREMENT METHODS; MARYLAND; ADULTS	Belisle, A.A. Gay, M.L. Coon, N.C. 1981 Chemosphere 10(11/12):1197-1203

Nonadecane
629-92-5
C19-H40
MW 268.53, MP 32.1 C, BP 329.7 C, VP 1 mm Hg at 133.2 C
Minnow, fathead
PIMEPHALES PROMELAS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2324 Body		GC/MS		a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given	a) 0.2 ug/g b) 1.5 ug/g c) 0.4 ug/g d) 8.5 ug/g e) 1.2 ug/g f) 0.2 ug/g g) 0.5 ug/g h) 0.6 ug/g i) 0.3 ug/g Wet wt	a) Tongue River, Birney b) Tongue River, Miles City c) Otter Creek, Miles City d) Pumpkin Creek, Miles City e) Box Elder Creek, Hhalaka f) Sunday Creek, Miles City g) Big Porcupine Creek, Forsyth h) Sarpy Creek, Sanders i) Unnamed creek, Hardin Composite samples of 2-10 fish Montana (H) ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Welch, K.J. Kuehl, D.W. Leonard, E.N. Veith, G.D. Schoenthal, H.D. 1981 Bulletin of Environmental Contamination and Toxicology 26:724-728

Nonadecane
629-92-5
C19-H40
MW 268.53, MP 32.1 C, BP 329.7 C, VP 1 mm Hg at 133.2 C
Minnow, silvery
HYBIOGNATHUS NUCHALIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2325 Body		GC/MS		Not given	0.2 ug/g wet wt	Composite sample Montana (H), Musselshell River, Melstrum ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Welch, K.J. Kuehl, D.W. Leonard, E.N. Veith, G.D. Schoenthal, H.D. 1981 Bulletin of Environmental Contamination and Toxicology 26:724-728

Nonadecane
629-92-5
C19-H40
MW 268.53, MP 32.1 C, BP 329.7 C, VP 1 mm Hg at 133.2 C
Sucker, white
CATOSTOMUS COMMERSONI

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2326 Body		GC/MS		a) Not given b) Not given c) Not given d) Not given e) Not given	a) 0.4 ug/g b) 23.0 ug/g c) 0.8 ug/g d) 2.1 ug/g e) 0.5 ug/g Wet wt	a) Tongue River Reservoir b) Little Powder River, Broadus c) O'Fallon Creek, Mill Iron d) Beaver Creek, Baker e) Hanging Woman Creek, Birney Composite samples of 2-10 fish Montana (E) ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Welch, E.J. Kuehl, D.W. Leonard, E.N. Veith, G.D. Schoenthal, W.D. 1981 Bulletin of Environmental Contamination and Toxicology 26:724-728

Nonane, 1-cyclohexyl- (8 CI)
Cyclohexane, nonyl- (9 CI)
2883-02-5
C15-H30
MW 210.15
Duck, mallard
ANAS PLATYRHYNCHOS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2327 Eggs	Ingestion	GC GC/MS	1	a) Not given b) Not given c) Not given d) Not given	a) 0.19 ppm b) 0.18 ppm c) 0.26 ppm d) 0.12 ppm Wet wt	a) Saponification, GC b) Saponification, GC/MS c) Mechanical extraction, GC d) Mechanical extraction, GC/MS Better reproducibility with saponification. Pooled eggs from hen on diet containing 25,000 ppm South Louisiana crude oil for 4 mo BIRDS; EGGS; HYDROCARBONS; MEASUREMENT METHODS; MARYLAND; ADULTS	Heinle, A.A. Gay, M.L. Coon, N.C. 1981 Chemosphere 10(11/12):1197-1203

Octadecane
593-45-3
C18-H38
MW 254.51, BP 316.1 C, VP 1 mm Hg at 119.6 C
Chub, flathead
HYBOPSIS GRACILIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2328 Body		GC/MS		a) Not given b) Not given	a) 2.1 ug/g b) 2.6 ug/g Wet wt	a) Powder River, Locate b) Powder River Mouth Composite samples of 2-10 fish Montana (E) ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Welch, E.J. Kuehl, D.W. Leonard, E.N. Veith, G.D. Schoenthal, E.D. 1981 Bulletin of Environmental Contamination and Toxicology 26:724-728

Octadecane
593-45-3
C18-H38
MW 254.51, BP 316.1 C, VP 1 mm Hg at 119.6 C
Chub, lake
COREGIUS PLUMBEUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2329 Body		GC/MS		Not given	0.7 ug/g wet wt	Composite sample Montana (E), Big Horn River, Hardin ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Welch, E.J. Kuehl, D.W. Leonard, E.N. Veith, G.D. Schoenthal, E.D. 1981 Bulletin of Environmental Contamination and Toxicology 26:724-728

Octadecane
593-45-3
C18-H38
MW 254.51, BP 316.1 C, VP 1 mm Hg at 119.6 C
Duck, mallard
ANAS PLATYRHYNCHOS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2330 Eggs	Ingestion	GC GC/MS	1	a) Not given b) Not given c) Not given d) Not given	a) 0.25 ppm b) 0.19 ppm c) 0.16 ppm d) 0.16 ppm Wet wt	a) Saponification, GC b) Saponification, GC/MS c) Mechanical extraction, GC d) Mechanical extraction, GC/MS Better reproducibility with saponification. Pooled eggs from hen on diet containing 25,000 ppm South Louisiana crude oil for 4 mo BIRDS; EGGS; HYDROCARBONS; MEASUREMENT METHODS; MARYLAND; ADULTS	Belisle, A.A. Gay, M.L. Coon, N.C. 1981 Chemosphere 10(11/12):1197-1203

Octadecane
593-45-3
C18-H38
MW 254.51, BP 316.1 C, VP 1 mm Hg at 119.6 C
Minnow, fathead
PIMEPHALES PROMELAS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2331 Body		GC/MS		a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given	a) 0.1 ug/g b) 0.2 ug/g c) 0.1 ug/g d) 2.7 ug/g e) 0.2 ug/g f) <0.1 ug/g g) 0.2 ug/g h) 0.2 ug/g i) 0.1 ug/g Wet wt	a) Tongue River, Birney b) Tongue River, Miles City, c) Otter Creek, Ashland d) Pumpkin Creek, Miles City e) Box Elder Creek, Ekalaka f) Sunday Creek, Miles City g) Big Porcupine Creek, Forsyth h) Sarpy Creek, Sanders i) Unnamed creek, Hardin Composite samples of 2-10 fish Montana (E) ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Welch, E.J. Kuehl, D.W. Leonard, E.N. Veith, G.D. Schoenthal, N.D. 1981 Bulletin of Environmental Contamination and Toxicology 26:724-728

Octadecane
593-45-3
C18-H38
MW 254.51, BP 316.1 C, VP 1 mm Hg at 119.6 C
Minnow, silvery
HYBIOGNATHUS NUCHALIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2332 Body		GC/MS		Not given	0.2 ug/g wet wt	Composite sample Montana (E), Musselshell River, Melstrum ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Welch, K.J. Kuehl, D.W. Leonard, E.N. Veith, G.D. Schoenthal, M.D. 1981 Bulletin of Environmental Contamination and Toxicology 26:724-728

Octadecane
593-45-3
C18-H38
MW 254.51, BP 316.1 C, VP 1 mm Hg at 119.6 C
Sucker, white
CATOSTOMUS COMMERSONI

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2333 Body		GC/MS		a) Not given b) Not given c) Not given d) Not given e) Not given	a) 0.1 ug/g b) 3.4 ug/g c) 0.1 ug/g d) <0.1 ug/g e) 0.1 ug/g Wet wt	a) Tongue River Reservoir b) Little Powder River, Broadus c) O'Fallon Creek, Mill Iron d) Beaver Creek, Baker e) Hanging Women Creek, Birney Composite samples of 2-10 fish Montana (E) ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Welch, K.J. Kuehl, D.W. Leonard, E.N. Veith, G.D. Schoenthal, M.D. 1981 Bulletin of Environmental Contamination and Toxicology 26:724-728

Octane, 1-cycloheryl- (8 CI)
Cyclohexane, octyl- (9 CI)
1795-15-9
C14-H28
MW 196.42
Duck, mallard
ANAS PLATYRHYNCHOS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2334 Eggs	Ingestion	GC GC/MS	1	a) Not given b) Not given c) Not given d) Not given	a) 0.12 ppm b) 0.07 ppm c) 0.056 ppm d) 0.035 ppm Wet wt	a) Saponification, GC b) Saponification, GC/MS c) Mechanical extraction, GC d) Mechanical extraction, GC/MS Better reproducibility with saponification. Pooled eggs from hen on diet containing 25,000 ppm South Louisiana crude oil for 4 mo BIRDS; EGGS; HYDROCARBONS; MEASUREMENT METHODS; MARYLAND; ADULTS	Bellrle, A.A. Gay, M.L. Coon, M.C. 1981 Chemosphere 10(11/12):1157-1203

p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI)
Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI)
1582-09-8
C13-H16-F3-N3-O4
MW 335.29, MP 46-47 C, BP 139-140 C at 4.2 mm hg
Buffalo, smallmouth
ICTIOBUS BUBALUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2335 Adipose		GC	a) 1 b) 2 c) 6	a) Not given b) Not given c) Not given	a) 78.7 ug/kg b) 32.9 +or- 30.0 ug/kg c) 37.7 +or- 9.6 ug/kg	a) 8 km downstream b) 16 km downstream c) 24 km downstream Distances from discharge pipe of TNT manufacturing plant. Collected 1974 before installation of carbon filters Wt 1747 g Indiana, Lafayette. Wabash River INDIANA; ADIPOSE TISSUE; BODY; BIOACCUMULATION; FISHES; WATER POLLUTION; PESTICIDES	Spacie, A. Hamelink, J.L. 1979 Environmental Science and Technology 13(7):817-822

p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI)
Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI)
1582-09-8
C13-H16-F3-N3-O4
MW 335.29, MP 46-47 C, BP 139-140 C at 4.2 mm hg
Carp
CYPRINUS CARPIO

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2336 Adipose		GC	a) 6 b) 6 c) 2 d) 3	a) Not given b) Not given c) Not given d) Not given	a) 70.7 +or- 21.3 mg/kg b) 105.2 +or- 48.4 mg/kg c) 69.8 +or- 35.2 mg/kg d) 48.3 +or- 15.6 mg/kg	a) 3 km b) 8 km c) 24 km d) 32 km Downstream distances from discharge pipe of TRT manufacturing plant. Collected 1974 before installation of carbon filters Wt 1591 g Indiana, Lafayette, Wabash River INDIANA; ADIPOSE TISSUE; BODY; BIOACCUMULATION; FISHES; WATER POLLUTION; PESTICIDES	Specie, A. Hamelink, J.L. 1979 Environmental Science and Technology 13(7):817-822

p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI)
Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI)
1582-09-8
C13-H16-F3-N3-O4
MW 335.29, MP 46-47 C, BP 139-140 C at 4.2 mm hg
Carpsucker, river
CARPIODES CARPIO

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2337 Adipose		GC	a) 6 b) 6 c) 8 d) 11 e) 9	a) Not given b) Not given c) Not given d) Not given e) Not given	a) 9.7 +or- 9.2 mg/kg b) 108.5 +or- 46.3 mg/kg c) 104.4 +or- 43.9 mg/kg d) 35.6 +or- 6.5 mg/kg e) 48.6 +or- 14.7 mg/kg	a) 21 km upstream b) 16 km downstream c) 24 km downstream d) 32 km downstream e) 64 km downstream Distances from discharge pipe of TRT manufacturing plant. Collected 1974 before installation of carbon filters Wt 669 g Indiana, Lafayette, Wabash River INDIANA; ADIPOSE TISSUE; BODY; BIOACCUMULATION; FISHES; WATER POLLUTION; PESTICIDES	Specie, A. Hamelink, J.L. 1979 Environmental Science and Technology 13(7):817-822

p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI)
Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI)
1582-09-8
C13-H16-F3-N3-O4
MW 335.29, MP 46-47 C, BP 139-140 C at 4.2 mm hg
Catfish, channel
ICTALURUS PUNCTATUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2338 Adipose		GC	a) 1 b) 1 c) 1 d) 4 e) 1	a) Not detected b) Not detected c) Not given d) Not given e) Not given	a) Not detected b) Not detected c) 111.4 mg/kg d) 11.3 +or- 5.8 mg/kg e) 83.2 mg/kg	a) 21 km upstream b) 2 km upstream c) 3 km downstream d) 8 km downstream e) 16 km downstream Distances from discharge pipe of TBT manufacturing plant. Collected 1974 before installation of carbon filters Wt 703 g Indiana, Lafayette, Wabash River INDIANA; ADIPOSE TISSUE; BODY; BIOACCUMULATION; FISHES; WATER POLLUTION; PESTICIDES	Spacie, A. Hamelink, J.L. 1979 Environmental Science and Technology 13(7):817-822

p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI)
Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI)
1582-09-8
C13-H16-F3-N3-O4
MW 335.29, MP 46-47 C, BP 139-140 C at 4.2 mm hg
Drum, freshwater
APLODINOTUS GRUNNIENS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2339 Adipose		GC	a) 1 b) 2 c) 3	a) Not applicable b) Not given c) Not given	a) 123.4 mg/kg b) 16.0 +or- 16.0 mg/kg c) 49.8 +or- 7.1 mg/kg	a) 3 km downstream b) 8 km downstream c) 16 km downstream Distances from discharge pipe of TBT manufacturing plant. Collected 1974 before installation of carbon filters Wt 713 g Indiana, Lafayette, Wabash River INDIANA; ADIPOSE TISSUE; BODY; BIOACCUMULATION; FISHES; WATER POLLUTION; PESTICIDES	Spacie, A. Hamelink, J.L. 1979 Environmental Science and Technology 13(7):817-822

p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI)
Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI)
1582-09-8
C13-H16-F3-N3-O4
MW 335.29, MP 46-47 C, BP 139-140 C at 4.2 mm Hg
Minnow
NOTROPIS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2340 Body		GC	a) 9 b) 33	a) Not given b) Not given	a) 10.78 mg/kg b) 0.025 mg/kg	a) Before carbon treatment of effluent (2-7/74) b) After carbon treatment of effluent (2-11/75) Collected near TRT manufacturing plant Indiana, Lafayette, Wabash River INDIANA; ADIPOSE TISSUE; BODY; BIOACCUMULATION; FISHES; WATER POLLUTION; PESTICIDES	Specie, A. Hamelink, J.L. 1979 Environmental Science and Technology 13(7):817-822

p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI)
Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI)
1582-09-8
C13-H16-F3-N3-O4
MW 335.29, MP 46-47 C, BP 139-140 C at 4.2 mm Hg
Mooneye
HIODON TERGISUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2341 Adipose		GC	a) 2 b) 1 c) 1	a) Not given b) Not given c) Not given	a) 59.9 +or- 36.1 mg/kg b) 50.6 mg/kg c) 22.8 mg/kg	a) 8 km b) 16 km c) 24 km Downstream distances from discharge pipe of TRT manufacturing plant Collected 1974 before installation of carbon filters Wt 273 g Indiana, Lafayette, Wabash River INDIANA; ADIPOSE TISSUE; BODY; BIOACCUMULATION; FISHES; WATER POLLUTION; PESTICIDES	Specie, A. Hamelink, J.L. 1979 Environmental Science and Technology 13(7):817-822

p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI)
Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI)
1582-09-8
C13-H16-F3-N3-O4
MW 335.29, MP 46-47 C, BP 139-140 C at 4.2 mm hg
Quillback
CARPIODES CYPRINUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2342 Adipose		GC	a) 3 b) 1 c) 8 d) 2 e) 1 f) 3	a) Not detected b) Not given c) Not given d) Not given e) Not given f) Not given	a) Not detected b) 17.6 mg/kg c) 113.8 +or- 46.7 mg/kg d) 126.7 +or- 37.2 mg/kg e) 87.5 mg/kg f) 53.1 +or- 19.4 mg/kg	a) 21 km upstream b) 2 km upstream c) 3 km downstream d) 8 km downstream e) 16 km downstream f) 24 km downstream Distances from discharge pipe of TRT manufacturing plant. Collected 1974 before installation of carbon filters Wt 655 g Indiana, Lafayette, Wabash River INDIANA; ADIPOSE TISSUE; BODY; BIOACCUMULATION; FISHES; WATER POLLUTION; PESTICIDES	Spacie, A. Hamelink, J.L. 1979 Environmental Science and Technology 13(7):817-822

p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI)
Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI)
1582-09-8
C13-H16-F3-N3-O4
MW 335.29, MP 46-47 C, BP 139-140 C at 4.2 mm hg
Redhorse, golden
MOXOSTOMA ERYTHRURUM

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2343 Adipose		GC	a) 19 b) 5 c) 5 d) 20 e) 12 f) 14 g) 4	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 2.1 +or- 1.1 mg/kg b) 17.0 +or- 35.7 mg/kg c) 440.1 +or- 69.6 mg/kg d) 88.6 +or- 21.8 mg/kg e) 92.4 +or- 16.5 mg/kg f) 68.6 +or- 15.0 mg/kg g) 80.6 +or- 13.9 mg/kg	a) 21 km upstream b) 3 km upstream c) 1 km downstream d) 3 km downstream e) 8 km downstream f) 16 km downstream g) 32 km downstream Distances from discharge pipe of TRT manufacturing plant. Collected 1974 before installation of carbon filters Wt 794 g Indiana, Lafayette, Wabash River INDIANA; ADIPOSE TISSUE; BODY; BIOACCUMULATION; FISHES; WATER POLLUTION; PESTICIDES	Spacie, A. Hamelink, J.L. 1979 Environmental Science and Technology 13(7):817-822

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p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI)
Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI)
1582-09-8
C13-H16-F3-N3-O4
MW 335.29, MP 46-47 C, BP 139-140 C at 4.2 mm hg
Redhorse, golden
MOXOSTOMA ERYTHRURUM

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2344 Body		GC	a) 50 b) 24	a) Not given b) Not given	a) 3.24 mg/kg b) 0.132 mg/kg	a) Before carbon treatment of effluent (2-7/74) b) After carbon treatment of effluent (2-11/75) Collected near TRT manufacturing plant Indiana, Lafayette, Wabash River INDIANA; ADIPOSE TISSUE; BODY; BIOACCUMULATION; FISHES; WATER POLLUTION; PESTICIDES	Specie, A. Hamelink, J.L. 1979 Environmental Science and Technology 13(7):817-822

p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI)
Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI)
1582-09-8
C13-H16-F3-N3-O4
MW 335.29, MP 46-47 C, BP 139-140 C at 4.2 mm Hg
Redhorse, shorthead
MOXOSTOMA MACROLEPIDOTUM

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2345 Adipose		GC	a) 19 b) 9 c) 9 d) 2 e) 41 f) 44 g) 56 h) 4	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given	a) 14.6 +or- 6.4 mg/kg b) 13.4 +or- 9.7 mg/kg c) 9.1 +or- 3.6 mg/kg d) 81.1 +or- 13.5 mg/kg e) 58.5 +or- 5.1 mg/kg f) 69.1 +or- 6.2 mg/kg g) 65.5 +or- 4.7 mg/kg h) 68.2 +or- 10.3 mg/kg	a) 21 km upstream b) 7 km upstream c) 3 km upstream d) 1 km downstream e) 3 km downstream f) 8 km downstream g) 16 km downstream h) 32 km downstream Distances from discharge pipe of TRT manufacturing plant. Collected 1974 before installation of carbon filters Wt 784 g Indiana, Lafayette, Wabash River INDIANA; ADIPOSE TISSUE; BODY; BIOACCUMULATION; FISHES; WATER POLLUTION; PESTICIDES	Specie, A. Hamelink, J.L. 1979 Environmental Science and Technology 13(7):817-822

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p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI)
Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI)
1582-09-8
C13-H16-F3-N3-O4
MW 335.29, MP 46-47 C, BP 139-140 C at 4.2 mm Hg
Redhorse, shorthead
MOXOSTOMA MACROLEPIDOTUM

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2346 Body		GC	a) 145 b) 23	a) Not given b) Not given	a) 500 mg/kg b) 0.468 mg/kg	a) Before carbon treatment of effluent (2-7/74) b) After carbon treatment of effluent (2-11/75) Collected near TRT manufacturing plant Indiana, Lafayette, Wabash River INDIANA; ADIPOSE TISSUE; BODY; BIOACCUMULATION; FISHES; WATER POLLUTION; PESTICIDES	Spacie, A. Hamelink, J.L. 1979 Environmental Science and Technology 13(7):817-822

p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI)
Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI)
1582-09-8
C13-H16-F3-N3-O4
MW 335.29, MP 46-47 C, BP 139-140 C at 4.2 mm Hg
Sauger
STIZOSTEDION CANADENSE

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2347 Adipose		GC	a) 9 b) 10 c) 17 d) 107 e) 89 f) 48 g) 13 h) 1	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given	a) 0.3 +or- 0.1 mg/kg b) 13.3 +or- 9.3 mg/kg c) 12.0 +or- 8.5 mg/kg d) 153.8 +or- 9.9 mg/kg e) 136.1 +or- 10.7 mg/kg f) 181.1 +or- 13.3 mg/kg g) 109.6 +or- 12.7 mg/kg h) 41.3 mg/kg	a) 32 km upstream b) 21 km upstream c) 7 km upstream d) 3 km downstream e) 8 km downstream f) 16 km downstream g) 32 km downstream h) 64 km downstream Distances from discharge pipe of TRT manufacturing plant. Collected 1974 before installation of carbon filters Wt 629 g Indiana, Lafayette, Wabash River INDIANA; ADIPOSE TISSUE; BODY; BIOACCUMULATION; FISHES; WATER POLLUTION; PESTICIDES	Spacie, A. Hamelink, J.L. 1979 Environmental Science and Technology 13(7):817-822

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p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI)
Benzenamine, 2,6 dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI)
1582-09-8
C13-H16-F3-N3-O4
MW 335.29, MP 46-47 C, BP 139-140 C at 4.2 mm Hg
Sauger
STIZOSTEDION CANADENSE

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2348 Body		GC	a) 237 b) 28	a) Not given b) Not given	a) 10.46 mg/kg b) 0.432 mg/kg	a) Before carbon treatment of effluent (2-7/74) b) After carbon treatment of effluent (2-11/75) Collected near TNT manufacturing plant Indiana, Lafayette, Wabash River INDIANA; ADIPOSE TISSUE; BODY; BIOACCUMULATION; FISHES; WATER POLLUTION; PESTICIDES	Specie, A. Hamelink, J.L. 1979 Environmental Science and Technology 13(7):817-822

p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI)
Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI)
1582-09-8
C13-H16-F3-N3-O4
MW 335.29, MP 46-47 C, BP 139-140 C at 4.2 mm Hg
Sucker, white
CATOSTOMUS COMMERSONI

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2349 Adipose		GC	a) 1 b) 1 c) 5 d) 1	a) Not detected b) Not given c) Not given d) Not detected	a) Not detected b) 19.7 mg/kg c) 40.7 +or- 23.7 mg/kg d) Not detected	a) 21 km upstream b) 2 km upstream c) 3 km downstream d) 8 km downstream Distances from discharge pipe of TNT manufacturing plant. Collected 1974 before installation of carbon filters Wt 469 g Indiana, Lafayette, Wabash River INDIANA; ADIPOSE TISSUE; BODY; BIOACCUMULATION; FISHES; WATER POLLUTION; PESTICIDES	Specie, A. Hamelink, J.L. 1979 Environmental Science and Technology 13(7):817-822

Pentacosane
629-62-9
C15-H32
MW 212.42, MP 10 C, BP 270.63 C, VP 1 mm Hg at 91.6 C
Chub, flathead
HYBOPSIS GRACILIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2350 Body		GC/MS		a) Not given b) Not given	a) 0.3 ug/g b) 0.6 ug/g Wet wt	a) Powder River, Locate b) Powder River Mouth Composite samples of 2-10 fish Montana (E) ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Welch, K.J. Kuehl, D.W. Leonard, E.N. Veith, G.D. Schoenthal, M.D. 1981 Bulletin of Environmental Contamination and Toxicology 26:724-728

Pentadecane
629-62-9
C15-H32
MW 212.42, MP 10 C, BP 270.63 C, VP 1 mm Hg at 91.6 C
Chub, lake
COUESIUS PLUMBEUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2351 Body		GC/MS		Not given	0.8 ug/g wet wt	Composite sample Montana (E), Big Horn River, Hardin ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Welch, K.J. Kuehl, D.W. Leonard, E.N. Veith, G.D. Schoenthal, M.D. 1981 Bulletin of Environmental Contamination and Toxicology 26:724-728

entadecane
629-62-9
C15-H32
MW 212.42, MP 10 C, BP 270.63 C, VP 1 mm Hg at 91.6 C
Duck, mallard
ANAS PLATYRHYNCHOS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2352 Eggs	Ingestion	GC GC/MS	1	a) Not given b) Not given c) Not given d) Not given	a) 0.41 ppm b) 0.31 ppm c) 0.20 ppm d) 0.22 ppm Wet wt	a) Saponification, GC b) Saponification, GC/MS c) Mechanical extraction, GC d) Mechanical extraction, GC/MS Better reproducibility with saponification. Pooled eggs from hen on diet containing 25,000 ppm South Louisiana crude oil for 4 mo BIRDS; EGGS; HYDROCARBONS; MEASUREMENT METHODS; MARYLAND; ADULTS	Bellisle, A.A. Gay, M.L. Coon, N.C. 1981 Chemosphere 10(11/12):1197-1203

Pentadecane
629-62-9
C15-H32
MW 212.42, MP 10 C, BP 270.63 C, VP 1 mm Hg at 91.6 C
Minnow, fathead
PIMEPHALES PROMELAS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2353 Body		GC/MS		a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given	a) 4.7 ug/g b) 3.6 ug/g c) 0.4 ug/g d) 42.5 ug/g e) 4.7 ug/g f) 0.2 ug/g g) 0.5 ug/g h) 1.0 ug/g i) 0.4 ug/g Wet wt	a) Tongue River, Birney b) Tongue River, Miles City c) Otter Creek, Ashland d) Pumpkin Creek, Miles City e) Box Elder Creek, Hkolaka f) Sunday Creek, Miles City g) Big Porcupine Creek, Forsyth h) Sarpy Creek, Sanders i) Unnamed creek, Hardin Composite samples of 2-10 fish Montana (E) ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Welch, E.J. Kuehl, D.W. Leonard, E.N. Veith, G.D. Schoenthal, W.D. 1981 Bulletin of Environmental Contamination and Toxicology 26:724-728

Pentadecane
629-62-9
C15-H32
MW 212.42, MP 10 C, BP 270.63 C, VP 1 mm Hg at 91.6 C
Minnow, silvery
HYBIOGNATHUS NUCHALIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2358 Body		GC/MS		Not given	5.4 ug/g wet wt	Composite sample Montana (E), Musselshell River, Melstrum ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Welch, K.J. Kuehl, D.W. Leonard, E.N. Veith, G.D. Schoenthal, M.D. 1981 Bulletin of Environmental Contamination and Toxicology 26:724-728

Pentadecane
629-62-9
C15-H32
MW 212.42, MP 10 C, BP 270.63 C, VP 1 mm Hg at 91.6 C
Sucker, white
CATOSTOMUS COMMERSONI

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2355 Body		GC/MS		a) Not given b) Not given c) Not given d) Not given e) Not given	a) 0.1 ug/g b) 3.5 ug/g c) 0.1 ug/g d) 97.6 ug/g e) 0.6 ug/g Wet wt	a) Tongue River Reservoir b) Little Powder River, Broadus c) O'Fallon-Creek, Mill Iron d) Beaver Creek, Baker e) Hanging Women Creek, Birney Composite samples of 2-10 fish Montana (E) ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Welch, K.J. Kuehl, D.W. Leonard, E.N. Veith, G.D. Schoenthal, M.D. 1981 Bulletin of Environmental Contamination and Toxicology 26:724-728

Pentadecane, 2,6,10,14-tetramethyl-
1921-70-6
C19-H40
MW 268.51, BP 296 C
Duck, mallard
ANAS PLATYRHYNCHOS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2356 Eggs	Ingestion	GC GC/MS	1	a) Not given b) Not given c) Not given d) Not given	a) 1.5 ppm b) 1.8 ppm c) 1.1 ppm d) 0.97 ppm Wet wt	a) Saponification, GC b) Saponification, GC/MS c) Mechanical extraction, GC d) Mechanical extraction, GC/MS Better reproducibility with saponification. Pooled eggs from hen on diet containing 25,000 ppm South Louisiana crude oil for 4 mo BIRDS; EGGS; HYDROCARBONS; MEASUREMENT METHODS; MARYLAND; ADULTS	Bellisle, A.A. Gay, M.L. Coon, N.C. 1981 Chemosphere 10(11/12):1197-1203

Phenanthrene
85-01-8
C14-H10
MW 178.22, MP 100 C, BP 340 C, VP 1 mm Hg at 118.3 C
Coalfish
POLLACHIUS VIRENS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2357 Bile	Ingestion	GC/MS	10	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 2.07 ug/g b) 0.54 ug/g c) 0.95 ug/g d) 0.43 ug/g e) 0.30 ug/g f) 178.1 ug/g g) 2.38 ug/g	a) 1-Hydroxyphenanthrene (21% unconjugated) b) 2-Hydroxyphenanthrene (65% unconjugated) c) 3-Hydroxyphenanthrene (35% unconjugated) d) 4-Hydroxyphenanthrene (35% unconjugated) e) 9-Hydroxyphenanthrene (53% unconjugated) f) Phenanthrene-1,2-dihydrodiol (9% unconjugated) g) Phenanthrene-9,10-dihydrodiol (14% unconjugated) Metabolites, 48 hr after 75 mg/kg Wt 330 g Norway, Bergen POLYCYCLIC AROMATIC HYDROCARBONS; NORWAY; BILE; URINE, FISHES; METABOLITES	Solbakken, J.E. Palmork, K.H. Hoppelberg, T. Scheline, R.R. 1980 Acta Pharmacologica et Toxicologica 46:127-132

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Phenanthrene
85-01-8
C14-H10
MW 178.22, MP 100 C, BP 340 C, VP 1 mm Hg at 110.3 C
Coalfish
POLLACHIUS VIRENS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2358 Gall bladder	Ingestion	Radiometry	a) 6 b) 5 c) 3 d) 5 e) 4 f) 5 g) 4 h) 5 i) 4	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given	a) 0.002 +or- 0.001% b) 0.003 +or- 0.002% c) 0.007 +or- 0.002% d) 3.0 +or- 1.7% e) 3.3 +or- 3.4% f) 12.7 +or- 2.8% g) 6.9 +or- 7.4% h) 2.9 +or- 1.8% i) 0.007 +or- 0.006% % of dose	a) 0.5 hr b) 1 hr c) 2 hr d) 17 hr e) 24 hr f) 36 hr g) 96 hr h) 168 hr i) 672 hr Times after 15.0 ug [9-C14]phenanthrene 2 weight groups, mean wt 54 g and 188 g Norway, Bergen POLYCYCLIC AROMATIC HYDROCARBONS; NORWAY; GALL BLADDER; LIVER; MUSCLES; BIOACCUMULATION; FISHES	Solbakken, J.E. Palmork, K.H. Heppelberg, T. Scheline, R.R. 1979 Bulletin of Environmental Contamination and Toxicology 23:100-103
2359 Liver	Ingestion	Radiometry	a) 3 b) 4 c) 4 d) 5 e) 4 f) 5 g) 4 h) 5 i) 3	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given	a) 0.01 +or- 0.008% b) 0.2 +or- 0.13% c) 1.5 +or- 1.2% d) 71.9 +or- 9.3% e) 87.1 +or- 32.1% f) 20.7 +or- 10.0% g) 15.5 +or- 8.9% h) 10.9 +or- 8.4% i) 0.5 +or- 0.7% % of dose	a) 0.5 hr b) 1 hr c) 5 hr d) 17 hr e) 24 hr f) 48 hr g) 96 hr h) 168 hr i) 672 hr Times after 15.0 ug [9-C14]phenanthrene 2 weight groups, mean wt 54 g and 188 g Norway, Bergen POLYCYCLIC AROMATIC HYDROCARBONS; NORWAY; GALL BLADDER; LIVER; MUSCLES; BIOACCUMULATION; FISHES	Solbakken, J.E. Palmork, K.H. Heppelberg, T. Scheline, R.R. 1979 Bulletin of Environmental Contamination and Toxicology 23:100-103

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Phenanthrene
85-01-8
C14-H10
MW 178.22, MP 100 C, BP 340 C, VP 1 mm Hg at 118.3 C
Coalfish
POLLACHIUS VIRENS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2360 Muscle	Ingestion	Radiometry	a) 3 b) 3 c) 3 d) 5 e) 4 f) 5 g) 4 h) 5	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given	a) 0.1 +or- 0.06% b) 0.3 +or- 0.1% c) 0.6 +or- 0.3% d) 6.4 +or- 2.9% e) 3.9 +or- 1.7% f) 3.3 +or- 1.6% g) 2.4 +or- 0.6% h) 0.9 +or- 0.6% % of dose	a) 0.5 hr b) 2 hr c) 5 hr d) 17 hr e) 24 hr f) 48 hr g) 96 hr h) 336 hr Times after 15.0 ug [9-C14]phenanthrene 2 weight groups, mean wt 54 g and 188 g Norway, Bergen POLYCYCLIC AROMATIC HYDROCARBONS; NORWAY; GALL BLADDER; LIVER; MUSCLES; BIOACCUMULATION; FISHES	Solbakken, J.E. Palmork, K.H. Heppelberg, T. Scheline, R.R. 1979 Bulletin of Environmental Contamination and Toxicology 23:100-103
2361 Urine	Ingestion	GC/MS	10	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 0.20 ug/g b) 0.06 ug/g c) 0.08 ug/g d) 0.14 ug/g e) 0.08 ug/g f) 14.3 ug/g g) 0.33 ug/g	a) 1-Hydroxyphenanthrene (57% unconjugated) b) 2-Hydroxyphenanthrene (100% unconjugated) c) 3-Hydroxyphenanthrene (50% unconjugated) d) 4-Hydroxyphenanthrene (36% unconjugated) e) 9-Hydroxyphenanthrene (100% unconjugated) f) Phenanthrene-1,2-dihydrodiol (31% unconjugated) g) Phenanthrene-9,10-dihydrodiol (30% unconjugated) Metabolites, 48 hr after 75 mg/kg Wt 330 g Norway, Bergen POLYCYCLIC AROMATIC HYDROCARBONS; NORWAY; BILE; URINE; FISHES; METABOLITES	Solbakken, J.E. Palmork, K.H. Heppelberg, T. Scheline, R.R. 1980 Acta Pharmacologica et Toxicologica 46:127-132

Phenanthrene
85-01-8
C14-H10
MW 178.22, MP 100 C, BP 340 C, VP 1 mm Hg at 118.3 C
Duck, mallard
ANAS PLATYRHYNCHOS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2362 Eggs	Ingestion	GC GC/MS	1	a) Not given b) Not given c) Not given	a) 0.021 ppm b) 0.32 ppm c) 0.017 ppm Wet wt	a) Saponification, GC b) Mechanical extraction, GC c) Mechanical extraction, GC/MS Better reproducibility with saponification. Pooled eggs from hen on diet containing 25,000 ppm South Louisiana crude oil for 4 mo BIRDS; EGGS; HYDROCARBONS; MEASUREMENT METHODS; MARYLAND; ADULTS	Belisle, A.A. Gay, M.L. Coon, N.C. 1981 Chemosphere 10(11/12):1197-1203

Phenanthrene
85-01-8
C14-H10
MW 178.22, MP 100 C, BP 340 C, VP 1 mm Hg at 118.3 C
Turkey wing
ARCA ZEBRA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2363 Blood		Radiometry	a) 5 b) 4 c) 5 d) 5 e) 5	a) Not given b) Not given c) Not given d) Not given e) Not given	a) 1.9 +or- 0.2X10(E-3) dpm/g b) 2.3 +or- 0.5X10(E-3) dpm/g c) 1.6 +or- 0.5X10(E-3) dpm/g d) 0.6 +or- 0.5X10(E-3) dpm/g e) 0.2 +or- 0.05X10(E-3) dpm/g	a) 0 days b) 1 day c) 2 days d) 14 days e) 28 days Times after 24-hr exposure to 9 ug/l [9-C14]phenanthrene in seawater. Mean wt (meat and blood) 21.. +or- 5.3 g Bermuda, Harrington Sound BERMUDA; GILLS; HEPATOPANCREAS; MOLLUSKS; POLYCYCLIC AROMATIC HYDROCARBONS; BIOACCUMULATION; METABOLISM; WATER POLLUTION; BLOOD; MUSCLES	Solbakken, J.E. Knap, A.H. Searle, C.E. Palmork, K.H. 1983 Bulletin of Environmental Contamination and Toxicology 30:420-423

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Phenanthrene
85-01-8
C14-H10
MW 178.22, MP 100 C, BP 340 C, VP 1 mm Hg at 118.3 C
Turkey wing
ARCA ZEBRA

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2364 Gills		Radiometry	a) 5 b) 4 c) 5 d) 5 e) 5	a) Not given b) Not given c) Not given d) Not given e) Not given	a) 8.2 +or- 1.5X10(E-3) dpm/g b) 8.5 +or- 0.5X10(E-3) dpm/g c) 3.7 +or- 0.4X10(E-3) dpm/g d) 1.1 +or- 0.1X10(E-3) dpm/g e) 0.7 +or- 0.2X10(E-3) dpm/g	a) 0 days b) 1 day c) 2 days d) 14 days e) 28 days Times after 24-hr exposure to 9 ug/l [9-C14]phenanthrene in seawater. Mean wt (meat and blood) 21.2 +or- 5.3 g Bermuda, Harrington Sound BERMUDA; GILLS; HEPATOPANCREAS; MOLLUSKS; POLYCYCLIC AROMATIC HYDROCARBONS; BIOACCUMULATION; METABOLISM; WATER POLLUTION; BLOOD; MUSCLES	Solbakken, J.E. Knap, A.H. Searle, C.E. Palmork, K.H. 1983 Bulletin of Environmental Contamination and Toxicology 30:420-423
2365 Hepatopancreas		Radiometry	a) 5 b) 5 c) 5 d) 5 e) 5	a) Not given b) Not given c) Not given d) Not given e) Not given	a) 19.7 +or- 1.8X10(E-3) dpm/g b) 17.3 +or- 2.9X10(E-3) dpm/g c) 18.8 +or- 3.8X10(E-3) dpm/g d) 2.9 +or- 0.9X10(E-3) dpm/g e) 2.3 +or- 0.5X10(E-3) dpm/g	a) 0 days b) 1 day c) 2 days d) 14 days e) 28 days Times after 24-hr exposure to 9 ug/l [9-C14]phenanthrene in seawater. Mean wt (meat and blood) 21.2 +or- 5.3 g Bermuda, Harrington Sound BERMUDA; GILLS; HEPATOPANCREAS; MOLLUSKS; POLYCYCLIC AROMATIC HYDROCARBONS; BIOACCUMULATION; METABOLISM; WATER POLLUTION; BLOOD; MUSCLES	Solbakken, J.E. Knap, A.H. Searle, C.E. Palmork, K.H. 1983 Bulletin of Environmental Contamination and Toxicology 30:420-423
2366 Muscle		Radiometry	a) 5 b) 5 c) 5 d) 5 e) 5	a) Not given b) Not given c) Not given d) Not given e) Not given	a) 5.8 +or- 0.7X10(E-3) dpm/g b) 3.1 +or- 0.4X10(E-3) dpm/g c) 4.8 +or- 1.3X10(E-3) dpm/g d) 0.8 +or- 0.2X10(E-3) dpm/g e) 0.26 +or- ..8X10(E-3) dpm/g	a) 0 days b) 1 day c) 2 days d) 14 days e) 28 days Times after 24-hr exposure to 9 ug/l [9-C14]phenanthrene in seawater. Mean wt (meat and blood) 21.2 +or- 5.3 g Bermuda, Harrington Sound BERMUDA; GILLS; HEPATOPANCREAS; MOLLUSKS; POLYCYCLIC AROMATIC HYDROCARBONS; BIOACCUMULATION; METABOLISM; WATER POLLUTION; BLOOD; MUSCLES	Solbakken, J.E. Knap, A.H. Searle, C.E. Palmork, K.H. 1983 Bulletin of Environmental Contamination and Toxicology 30:420-423

Phenol
108-95-2
C6-H6-O
MW 94.11, MP 40.85 C, BP 182 C, VP 1 mm Hg at 40.1 C
Sheep
OVIS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2367 Urine	Ingestion	Radiometry	a) 2 b) 2	a) 85.3-85.9% b) 84.2-87.7% % of dose	a) 85.6% b) 86.0% % of dose	a) 8 hr b) 24 hr Times after administration of 25 mg [C14]phenol/kg Phenylglucuronide and phenylsulfate major metabolites Age 2-3 months, wt 30-40 kg SWINE; SHEEP; UNITED KINGDOM; URINE; PHENOLS; BIOACCUMULATION; METABOLISM; METABOLITES	Kao, J. Bridges, J.W. Faulkner, J.K. 1979 Xenobiotica 9(3):141-147

Phenol
108-95-2
C6-H6-O
MW 94.11, MP 40.85 C, BP 182 C, VP 1 mm Hg at 40.1 C
Swine
SUS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2360 Urine	Ingestion	Radiometry	a) 2 b) 2	a) 83.1-84.2% b) 85.2-86.1% % of dose	a) 83.7% b) 85.7% % of dose	a) 8 hr b) 24 hr Times after administration of 25 mg [C14]phenol/kg Phenylglucuronide and phenylsulfate major metabolites Large white pigs, age 2-3 mo, wt 10-12 kg SWINE; SHEEP; UNITED KINGDOM; URINE; PHENOLS; BIOACCUMULATION; METABOLISM; METABOLITES	Kao, J. Bridges, J.W. Faulkner, J.K. 1979 Xenobiotica 9(3):141-147

Phenol, pentachloro-
87-86-5
C6-H-C15-O
MW 266.35, MP 190-191 C, BP 309-310 C (decomp), VP 40 mm Hg at 211.2 C
Crab, blue
CALLINECTES SAPIDUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2369 Body		HPLC	3	1.9-4.1 ng/g wet wt	2.8 ng/g wet wt	Soft tissues. Collected 2-6/80. Mean sediment concentration 0.18 ng/g dry wt Wt 2.6-6.5 g Texas, West Galveston Bay, San Luis Pass SQUID; CRUSTACEANS; POLYCYCLIC AROMATIC HYDROCARBONS; SEDIMENTS; BODY; TEXAS; BIOACCUMULATION; FISHES; WATER POLLUTION; CHLORINE ORGANIC COMPOUNDS	Murray, H.E. Bay, L.E. Glen, C.S. 1981 Chemosphere 10(11/12):1327-1334

Phenol, pentachloro-
87-86-5
C6-H-C15-O
MW 266.35, MP 190-191 C, BP 309-310 C (decomp), VP 40 mm Hg at 211.2 C
Flounder

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2370 Body		HPLC	3	1.6-3.5 ng/g wet wt	2.6 ng/g wet wt	Collected 2-6/80. Mean sediment concentration 0.18 ng/g dry wt Sexually immature fishes, wt 2.3-12.6 g Texas, West Galveston Bay, San Luis Pass SQUID; CRUSTACEANS; POLYCYCLIC AROMATIC HYDROCARBONS; SEDIMENTS; BODY; TEXAS; BIOACCUMULATION; FISHES; WATER POLLUTION; CHLORINE ORGANIC COMPOUNDS	Murray, H.E. Bay, L.E. Glen, C.S. 1981 Chemosphere 10(11/12):1327-1334

Phenol, pentachloro-
87-86-5
C6-H-C15-O
MW 266.35, MP 190-191 C, BP 309-310 C (decomp), VP 40 mm Hg at 211.2 C
Killifish, longnose
FUNDULUS SIMILIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2371 Body		HPLC	3	4.7-5.6 ng/g wet wt	5.3 ng/g wet wt	Collected 2-6/80. Mean sediment concentration 0.18 ng/g dry wt Sexually immature fishes, wt 4.1-5.1 g Texas, West Galveston Bay, San Luis Pass SQUID; CRUSTACEANS; POLYCYCLIC AROMATIC HYDROCARBONS; SEDIMENTS; BODY; TEXAS; BIOACCUMULATION; FISHES; WATER POLLUTION; CHLORINE ORGANIC COMPOUNDS	Murray, H.E. Bay, L.E. Glam, C.S. 1981 Chemosphere 10(11/12):1327-1334

Phenol, pentachloro-
87-86-5
C6-H-C15-O
MW 266.35, MP 190-191 C, BP 309-310 C (decomp), VP 40 mm Hg at 211.2 C
Shrimp, brown
PENAEUS AZTECUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2372 Body		HPLC	3	6-17 ng/g wet wt	7.5 ng/g wet wt	Collected 2-6/80. Mean sediment concentration 0.18 ng/g dry wt Wt 2.3-5.6 g Texas, West Galveston Bay, San Luis Pass SQUID; CRUSTACEANS; POLYCYCLIC AROMATIC HYDROCARBONS; SEDIMENTS; BODY; TEXAS; BIOACCUMULATION; FISHES; WATER POLLUTION; CHLORINE ORGANIC COMPOUNDS	Murray, H.E. Bay, L.E. Glam, C.S. 1981 Chemosphere 10(11/12):1327-1334

Phenol, pentachloro-
87-86-5
C6-H-Cl5-O
MW 266.35, MP 190-191 C, BP 309-310 C (decomp), VP 40 mm Hg at 211.2 C
Squid, dwarf
LOLLIGUNCULA BREVIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2373 Body		HPLC	3	1.4-8.3 ng/g wet wt	2.9 ng/g wet wt	Collected 2-6/80. Mean sediment concentration 0.18 ng/g dry wt Wt 4.2-8.8 g Texas, West Galveston Bay, San Luis Pass SQUID; CRUSTACEANS; POLYCYCLIC AROMATIC HYDROCARBONS; SEDIMENTS; BODY; TEXAS; BIOACCUMULATION; FISHES; WATER POLLUTION; CHLORINE ORGANIC COMPOUNDS	Murray, H.E. Ray, L.E. Giam, C.S. 1981 Chemosphere 10(11/12):1327-1334

Phenol, pentachloro-
87-86-5
C6-H-Cl5-O
MW 266.35, MP 190-191 C, BP 309-310 C (decomp), VP 40 mm Hg at 211.2 C
Trout, rainbow
SALMO GAIRDNERI

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2374 Adipose		Radiometry GC/MS	6	a) Not given b) Not given c) Not given d) Not given	a) 3.5 ug/g b) 3.4 ug/g c) 7.5 ug/g d) 6.0 ug/g Wet wt Estimated from graph	a) 2 hr b) 8 hr c) 16 hr d) 24 hr Exposure times to 0.025 mg[C14]PCP/l Fish wt 8-10 g BIOACCUMULATION; FISHES; METABOLITES; PENTACHLOROPHENOL; ADIPOSE TISSUE; BILE; BLOOD; LIVER; MUSCLES; WISCONSIN	Glickman, A.H. Statham, C.N. Wu, A. Lech, J.J. 1977 Toxicology and Applied Pharmacology 41:649-658
2375 Bile		TLC GC/MS	6	a) Not given b) Not given	a) 120 ug/g b) 230 ug/g Estimated from graph	a) 4 hr b) 8 hr Exposure times to 0.05 mg[C14]PCP/l. Mostly as glucuronide Fish wt 50-100 g BIOACCUMULATION; FISHES; METABOLITES; PENTACHLOROPHENOL; ADIPOSE TISSUE; BILE; BLOOD; LIVER; MUSCLES; WISCONSIN	Glickman, A.H. Statham, C.N. Wu, A. Lech, J.J. 1977 Toxicology and Applied Pharmacology 41:649-658

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Phenol, pentachloro-
87-86-5
C6-H-C15-O
MW 266.35, MP 190-191 C, BP 309-310 C (decomp), VP 40 mm Hg at 211.2 C
Trout, rainbow
SALMO GAIRDNERI

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2376 Blood		Radiometry GC/MS	6	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given	a) 1.0 ug/ml b) 3.0 ug/ml c) 4.2 ug/ml d) 5.0 ug/ml e) 5.0 ug/ml f) 6.5 ug/ml Estimated from graph	a) 1 hr b) 2 hr c) 4 hr d) 8 hr e) 16 hr f) 24 hr Exposure times to 0.025 mg[C14]PCP/l Fish wt 8-10 g BIOACCUMULATION; FISHES; METABOLITES; PENTACHLOROPHENOL; ADIPOSE TISSUE; BILE; BLOOD; LIVER; MUSCLES; WISCONSIN	Glickman, A.H. Statham, C.M. Wu, A. Lech, J.J. 1977 Toxicology and Applied Pharmacology 41:649-658
2377 Liver		Radiometry GC/MS	6	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given	a) 6.5 ug/g b) 9.0 ug/g c) 9.2 ug/g d) 13.0 ug/g e) 13.2 ug/g f) 16.0 ug/g Wet wt Estimated from graph	a) 1 hr b) 2 hr c) 4 hr d) 8 hr e) 16 hr f) 24 hr Exposure times to 0.025 mg[C14]PCP/l Fish wt 8-10 g BIOACCUMULATION; FISHES; METABOLITES; PENTACHLOROPHENOL; ADIPOSE TISSUE; BILE; BLOOD; LIVER; MUSCLES; WISCONSIN	Glickman, A.H. Statham, C.M. Wu, A. Lech, J.J. 1977 Toxicology and Applied Pharmacology 41:649-658
2378 Muscle		Radiometry GC/MS	6	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given	a) 0.3 ug/g b) 0.5 ug/g c) 0.6 ug/g d) 0.8 ug/g e) 0.8 ug/g f) 1.0 ug/g Wet wt Estimated from graph	a) 1 hr b) 2 hr c) 4 hr d) 8 hr e) 16 hr f) 24 hr Exposure times to 0.025 mg[C14]PCP/l Fish wt 8-10 g BIOACCUMULATION; FISHES; METABOLITES; PENTACHLOROPHENOL; ADIPOSE TISSUE; BILE; BLOOD; LIVER; MUSCLES; WISCONSIN	Glickman, A.H. Statham, C.M. Wu, A. Lech, J.J. 1977 Toxicology and Applied Pharmacology 41:649-658

Phosphonodithioic acid, ethyl-, O-ethyl S-phenyl ester
944-22-9
C10-H15-O-P-S2
MW 246.2, BP 100 C at 0.3 mm Hg, VP 2.1X10(E-6) mm Hg at 25 C
Cattle
BOS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2379 Brain		GC-EC	a) 1 b) 1 c) 1 d) 1 e) 1 f) 1	a) Not applicable b) Not applicable c) Not applicable d) Not applicable e) Not applicable f) Not applicable	a) <0.0015 ug/g b) 0.0033 ug/g c) <0.0002 ug/g d) <0.0002 ug/g e) <0.0002 ug/g f) <0.0002 ug/g Wet wt	a) Age 6.5 yr b) Age 5 yr c) Age 6 yr d) Age 6 yr e) Age 3 yr f) Age 4 yr Holstein dairy cows, a), b) dead on day 1 (estimated intake 0.5-1.5 g), c)-f) killed 25 days after intake of accidentally contaminated feed (estimated intake 0.2-0.9 g). Salivation, meiosis, lacrimation, bubbly and loose feces, tenesmus, bloody rectal mucus, frequent urination, sweating, moaning, bellowing, tongue protrusion Few gross lesions. Loss of staining in granular layer of cerebellum, some loss of nuclear staining in liver. Increased packed cell volume, hemoglobin concentration, red blood cell and white blood cell counts CATTLE; BIOACCUMULATION; FOOD CONTAMINATION; INSECTICIDES; ORGANOPHOSPHATES; BRAIN; HEART; KIDNEYS; LIVER; MILK; PENNSYLVANIA; ADULTS	Kurtz, D.A. Hutchinson, L. 1982 American Journal of Veterinary Research 43(9):1672-1674

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Phosphonodithioic acid, ethyl-, O-ethyl S-phenyl ester
944-22-9
C10-H15-O-P-S2
MW 246.2, BP 100 C at 0.3 mm Hg, VP 2.1X10(E-4) mm Hg at 25 C
Cattle
ROS rp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2300 Heart		GC-EC	a) 1 b) 1 c) 1	a) Not applicable b) Not applicable c) Not applicable	a) 0.00010 ug/g b) 0.00024 ug/g c) 0.00054 ug/g Wet wt	a) Age 6 yr b) Age 6 yr c) Age 4 yr Holstein dairy cows killed 25 days after intake of 0.2-0.9 g in accidentally contaminated feed. Salivation, meiosis, lacrimation, bubbly and loose feces, tenesmus, bloody rectal mucus, frequent urination, sweating, moaning, bellowing, tongue protrusion Few gross lesions. Loss of staining in granular layer of cerebellum, some loss of nuclear staining in liver. Increased packed cell volume, hemoglobin concentration, red blood cell and white blood cell counts CATTLE; BIOACCUMULATION; FOOD CONTAMINATION; INSECTICIDES; ORGANOPHOSPHATES; BRAIN; HEART; KIDNEYS; LIVER; MILK; PENNSYLVANIA; ADULTS	Kurtz, D.A. Hutchinson, L. 1982 American Journal of Veterinary Research 43(9):1672-1674

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Phosphonodithioic acid, ethyl-, O-ethyl S-phenyl ester
944-22-9
C10-H15-O-P-S2
MW 246.2, BP 100 C at 0.3 mm Hg, VP 2.1X10(E-4) mm Hg at 25 C
Cattle
BOS sp.

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TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2381 Kidney		GC-EC	a) 1 b) 1 c) 1 d) 1 e) 1 f) 1	a) Not applicable b) Not applicable c) Not applicable d) Not applicable e) Not applicable f) Not applicable	a) 0.0036 ug/g b) 0.0046 ug/g c) 0.00036 ug/g d) 0.00029 ug/g e) 0.00036 ug/g f) 0.00029 ug/g Wet wt	a) Age 4.5 yr b) Age 5 yr c) Age 6 yr d) Age 6 yr e) Age 3 yr f) Age 4 yr Holstein dairy cows, a), b) dead on day 1 (estimated intake 0.5-1.5 g), c)-f) killed 25 days after intake of accidentally contaminated feed (estimated intake 0.2-0.9 g) Salivation, meiosis, lacrimation, bubbly and loose feces, tenesmus, bloody rectal mucus, frequent urination, sweating, moaning, bellowing, tongue protrusion Few gross lesions. Loss of staining in granular layer of cerebellum, some loss of nuclear staining in liver. Increased packed cell volume, hemoglobin concentration, red blood cell and white blood cell counts CATTLE; BIOACCUMULATION; FOOD CONTAMINATION; INSECTICIDES; ORGANOPHOSPHATES; BRAIN; HEART; KIDNEYS; LIVER; MILK; PENNSYLVANIA; ADULTS	Kurtz, D.A. Hutchinson, L. 1982 American Journal of Veterinary Research 43(9):1672-1674

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Phosphonodithioic acid, ethyl-, O-ethyl S-phenyl ester
944-22-9
C10-H15-O-P-S2
MW 246.2, BP 100 C at 0.3 mm Hg, VP 2.1X10(E-4) mm Hg at 25 C
Cattle
BOS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2382 Liver	Ingestion	GC-EC	a) 1 b) 1 c) 1 d) 1 e) 1 f) 1	a) Not applicable b) Not applicable c) Not applicable d) Not applicable e) Not applicable f) Not applicable	a) 0.078 ug/g b) 0.027 ug/g c) 0.00072 ug/g d) 0.0001@ ug/g e) 0.0001@ ug/g f) 0.0039 ug/g Wet wt	a) Age 4.5 yr b) Age 5 yr c) Age 6 yr d) Age 6 yr e) Age 3 yr f) Age 4 yr Holstein dairy cows, a), b) dead on day 1 (estimated intake 0.5-1.5 g), c)-f) killed 25 days after intake of accidentally contaminated feed (estimated intake 0.2-0.9 g). Salivation, meiosis, lacrimation, bubbly and loose feces, tenesmus, bloody rectal mucus, frequent urination, sweating, moaning, bellowing, tongue protrusion Few gross lesions. Loss of staining in granular layer of cerebellum, some loss of nuclear staining in liver. Increased packed cell volume, hemoglobin concentration, red blood cell and white blood cell counts CATTLE; BIOACCUMULATION; FOOD CONTAMINATION; INSECTICIDES; ORGANOPHOSPHATES; BRAIN; HEART; KIDNEYS; LIVER; MILK; PENNSYLVANIA; ADULTS	Kurtz, D.A. Hutchinson, L. 1982 American Journal of Veterinary Research 43(9):1672-1674

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Phosphonodithioic acid, ethyl-, O-ethyl S-phenyl ester
944-22-9
C10-H15-O-P-S2
MW 246.2, BP 100 C at 0.3 mm Hg, VP 2.1X10(E-4) mm Hg at 25 C
Cattle
BOS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2383 Milk		GC-EC	a) 1 b) 1 c) 1 d) 1	a) Not given b) Not given c) Not given d) Not given	a) <0.0015 ug/g b) <0.0015 ug/g c) <? 0015 ug/g d) <0.0015 ug/g Wet wt	a) Age 6 yr b) Age 6 yr c) Age 3 yr d) Age 4 yr Holstein dairy cows killed 25 days after intake of 0.2-0.9 g in accidentally contaminated feed. Salivation, meiosis, lacrimation, bubbly and loose feces, tenesmus, bloody rectal mucus, frequent urination, sweating, moaning, bellowing, tongue protrusion Few gross lesions. Loss of staining in granular layer of cerebellum, some loss of nuclear staining in liver. Increased packed cell volume, hemoglobin concentration, red blood cell and white blood cell counts CATTLE; BIOACCUMULATION; FOOD CONTAMINATION; INSECTICIDES; ORGANOPHOSPHATES; BRAIN; HEART; KIDNEYS; LIVER; MILK; PENNSYLVANIA; ADULTS	Kurtz, D.A. Hutchinson, L. 1982 American Journal of Veterinary Research 43(9):1672-1674

Phosphoramidothioic acid, acetyl-, O,S-dimethyl ester
30560-19-1
C4-H10-N-O3-P-S
MW 183.16, MP 72-80 C
Squirrel, Columbian ground
SPERMOPHILUS COLUMBIANUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2384 Brain		GC	10	a) Not given b) Not given c) Not given d) Not given	a) 0.27 ug/g b) 0.032 ug/g c) 0.13 ug/g d) 0.033 ug/g	a) Day 0 b) Day 0, metamidophos (metabolite) c) Day 3 d) Day 6 Times after aerially spraying experimental plots with 0.57 kg acephate/ha. Residues in 4 Idaho, McCall, Payette National Forest Depressed brain cholinesterase activity BIRDS; SQUIRRELS; IDAHO; BRAIN; BIOACCUMULATION; PESTICIDE RESIDUES; INSECTICIDES; ORGANOPHOSPHATES	Zinkl, J.G. Roberts, R.B. Henny, C.J. Lenhart, D.J. 1980 Bulletin of Environmental Contamination and Toxicology 24(5):676-683

Phosphoramidothioic acid, acetyl-, O,S-dimethyl ester
30560-19-1
C4-H10-N-O3-P-S
MW 183.16, MP 72-80 C
Tanager, western
PIRANGA LUDOVICIANA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2385 Brain		GC	21	a) Not given b) Not detected c) Not given d) Not given	a) 0.21 ug/g b) Not detected c) 0.32 ug/g d) 0.055 ug/g	a) Day 0, acephate b) Day 0, metamidophos (metabolite) c) Day 3, acephate d) Day 3, metamidophos Times after aerially spraying experimental plots with 0.57 kg acephate/ha. Residues in only 2 Idaho, McCall, Payette National Forest 25-32% decrease of brain cholinesterase activity 25-26 days after spraying BIRDS; SQUIRRELS; IDAHO; BRAIN; BIOACCUMULATION; PESTICIDE RESIDUES; INSECTICIDES; ORGANOPHOSPHATES	Zinkl, J.G. Roberts R.B. Henny, C.J. Lenhart, D.J. 1980 Bulletin of Environmental Contamination and Toxicology 24(5):676-683

Selenium
7782-49-2
Se
AtW 78.96, MP 170-217 C, BP 685 C, VP 1 mm Hg at 356 C, 10 mm Hg at 429 C
Bluefish, marine
POMATOMUS SALTATRIX

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2388 Muscle		AAS	a) 1-3 b) 1 c) 1 d) 1	a) Not given b) Not given c) Not given d) Not given	a) 0.37 +or- 0.15 ug/g b) 0.33 +or- 0.18 ug/g c) 0.57 +or- 0.41 ug/g d) 0.57 +or- 0.04 ug/g Dry wt	a) Stainless steel b) Titanium c) Lexan plastic d) Teflon-coated stainless steel Dissecting tool materials Dorsal muscle, fish wt 917-20 g, length 43.5-44.2 cm Virginia, Hampton TELLURIUM; MOLLUSKS; NEW YORK; BODY; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION; FISHES	Holt, M. Klusek, C.S. 1982 Science of the Total Environment 24:129-134

Selenium
7782-49-2
Se
AtW 78.96, MP 170-217 C, BP 685 C, VP 1 mm Hg at 356 C, 10 mm Hg at 429 C
Cattle
BOS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2387 Kidney		AAS	178	0.73-3.20 mg/kg wet wt	1.52 +or- 0.40 mg/kg wet wt	From abattoirs in 10 selected 100-sq km areas representing a cross-section of industries. Australia, Queensland CATTLE; AUSTRALIA; KIDNEYS; LIVER; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; SELENIUM; ZINC; BIOACCUMULATION; INDUSTRIAL AREAS	Kramer, H.L. Steiner, J.W. Valley, P.J. 1983 Bulletin of Environmental Contamination and Toxicology 30:588-594
2388 Liver		AAS	178	0.02-0.55 mg/kg wet wt	0.23 +or- 0.10 mg/kg wet wt	From abattoirs in 10 selected 100-sq km areas representing a cross-section of industries. Australia, Queensland CATTLE; AUSTRALIA; KIDNEYS; LIVER; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; SELENIUM; ZINC; BIOACCUMULATION; INDUSTRIAL AREAS	Kramer, H.L. Steiner, J.W. Valley, P.J. 1983 Bulletin of Environmental Contamination and Toxicology 30:588-594

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Selenium
7782-49-2
Se
AtW 78.96, MP 170-217 C, BP 685 C, VP 1 mm Hg at 356 C, 10 mm Hg at 429 C
Cattle
BOS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2389 Milk		Fluorometry	21	a) Not given b) Not given	a) 27.5 +or- 2.1 ng/ml b) 22.1 +or- 2.9 ng/ml	a) July, 29 u/ml glutathione peroxidase, 26.8 mg/l protein b) November, 18.2 u/ml glutathione peroxidase, 23.5 mg/l protein About 12% Se bound to glutathione oxidase Holstein cows Japan, Kyoto City CATTLE; JAPAN; MILK; BIOACCUMULATION; ENZYMES; PROTEINS; SELENIUM	Hojo, Y. 1982 Biological Trace Element Research 4:233-239
2390 Muscle		AAS	180	<0.02-0.30 mg/kg wet wt	0.12 +or- 0.17 mg/kg wet wt	From abattoirs in 10 selected 100-sq km areas representing a cross-section of industries. 8 samples below detection limit. Australia, Queensland CATTLE; AUSTRALIA; KIDNEYS; LIVER; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; SELENIUM; ZINC; BIOACCUMULATION; INDUSTRIAL AREAS	Kramer, H.L. Steiner, J.W. Valley, F.J. 1983 Bulletin of Environmental Contamination and Toxicology 30:588-594

Selenium
7782-49-2
Se
AtW 78.96, MP 170-217 C, BP 685 C, VP 1 mm Hg at 356 C, 10 mm Hg at 429 C
Chicken
GALLUS GALLUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2391 Eggs	Ingestion	Fluorometry	80	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given j) Not given k) Not given l) Not given m) Not given n) Not given o) Not given p) Not given	a) 0.36 ppm b) 0.15 ppm c) 0.40 ppm d) 0.55 ppm e) 0.80 ppm f) 0.53 ppm g) 0.65 ppm h) 0.42 ppm i) 0.84 ppm j) 0.44 ppm k) 0.58 ppm l) 0.48 ppm m) 0.41 ppm n) 0.33 ppm o) 0.47 ppm p) 0.36 ppm Dry wt	a) Layer diet, 0.88 ppm, white b) Layer diet, 0.88 ppm, yolk c) Selenite, white d) Selenite, yolk e) Selenomethionine, white f) Selenomethionine, yolk g) Corn, white h) Corn, yolk i) Soybean meal, white j) Soybean meal, yolk k) Alfalfa meal, white l) Alfalfa meal, yolk m) Fish meal, white n) Fish meal, yolk o) Hog kidney, white p) Hog kidney, yolk b)-p) Se sources added to layer diet to increase level to 0.1 ppm for 10 days before laying 5 eggs/treatment group. BIRDS; BIOACCUMULATION; NUTRITIONAL DEFICIENCIES; EGGS; OHIO; ADULTS	Martello, M.A. Latshaw, J.D. 1982 Nutrition Reports International 26(1):43-50

Selenium
7782-49-2
Se
AtW 78.96, MP 170-217 C, BP 685 C, VP 1 mm Hg at 356 C, 10 mm Hg at 429 C
Clam
RANGIA CUNEATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2392 Body		AAS	42	Not given	0.493 ug/g wet wt	Composite samples, adults collected 12/78 prior to operation of ore refinery Mississippi, St. Louis Bay (NW) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Selenium
7782-49-2
Se
AtW 78.96, MP 170-217 C, BP 685 C, VP 1 mm Hg at 356 C, 10 mm Hg at 429 C
Fish

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2393 Muscle		AAS	a) 117 b) 51	a) 0.19-1.59 mg/kg b) 0.18-1.19 mg/kg	a) 0.80 +or- 0.011 mg/kg b) 0.84 +or- 0.025 mg/kg	a) Irish Sea b) English Channel (reference area) Commonly consumed fish and shellfish Irish Sea (NE) English Channel (SW) BIOACCUMULATION; FISHES; INDUSTRIAL EMISSIONS; WATER POLLUTION; MERCURY; SELENIUM; MUSCLES; UNITED KINGDOM	Haxton, J. Lindsay, D.J. Hislop, J.S. Salmon, L. Dixon, E.J. Evans, W.H. Reid, J.R. Hewitt, C.J. Jeffries, D.F. 1979 Environmental Research 18:351-368

Selenium
7782-49-2
Se
AtW 78.96, MP 170-217 C, BP 685 C, VP 1 mm Hg at 6 C, 10 mm Hg at 429 C
Mussel
MYTILUS EDULIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2394 Body		AAS	a) 12 b) 12 c) 8	a) Not given b) Not given c) Not given	a) 0.9 +or- 0.5 ug/g b) 0.6 +or- 0.3 ug/g c) 1.2 +or- 0.2 ug/g Dry wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Soft tissue wet wt 2.7-20.6 g Maine MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Heit, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207

Selenium
7782-49-2
Se
AtW 78.96, MP 170-217 C, BP 685 C, VP 1 mm Hg at 356 C, 10 mm Hg at 429 C
Mussel, freshwater
ELIPTIO COMPLANATUS, LAMPSILUS RADIATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2395 Body		AAS	a) Several 100 b) 36	a) Not given b) Not given	a) 3.1 +or- 1.2 ug/g b) 3.4 +or- 1.7 ug/g Dry wt	a) Homogenized in food processor with stainless-steel blades b) Unhomogenized Soft tissues, mussels wet wt 2-12 g New York, Lake George TELLURIUM; MOLLUSKS; NEW YORK; BODY; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION; FISHES	Heit, M. Klusek, C.S. 1982 Science of the Total Environment 24:129-134

Selenium
7782-49-2
Se
AtW 78.96, MP 170-217 C, BP 685 C, VP 1 mm Hg at 356 C, 10 mm Hg at 429 C
Oyster
CRASSOSTREA VIRGINICA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2396 Body		AAS		Not given	0.284 ug/g wet wt	Collected 12/78 prior to operation of ore refinery. Shucked wet wt 8.5-11.7 g Mississippi, St. Louis Bay (SW) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Selenium
7782-49-2
Se
AtW 78.96, MP 170-217 C, BP 685 C, VP 1 mm Hg at 356 C, 10 mm Hg at 429 C
Squirrel, rock
SPERMOPHILUS VARIEGATUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2397 Kidney		AAS	a) 20 b) 21	a) 0.7200-1.7580 b) 0.4240-1.8900 Kidney/liver ratios	a) 1.1911 b) 0.8714 Kidney/liver ratios	a) Grassland ecosystem, elevation 1615-1759 m, alkaline soil b) Pinyon-juniper ecosystem, elevation 1829-2195 m, acidic soil Significant difference (t test, alpha 0.05) in the 2 ecosystems New Mexico, Kirtland Air Force Base SQUIRRELS; ANIMAL POPULATIONS; BIOACCUMULATION; NEW MEXICO; KIDNEYS; LIVER	Hall, C.D. Kidd, D.E. 1982 Ecotoxicology and Environmental Safety 6:2-8

Selenium
7782-49-2
Se
AtW 78.96, MP 170-217 C, BP 685 C, VP 1 mm Hg at 356 C, 10 mm Hg at 429 C
Sunfish, green
LEPOMIS CYANELLUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2398 Hepatopancreas		NA		a) Not given b) Not given c) Not given d) Not given e) Not given	a) 6.58 +or- 0.27 ppm b) 6.05 +or- 0.25 ppm c) 6.98 +or- 1.75 ppm d) 9.30 +or- 1.20 ppm e) 1.31 +or- 0.17 ppm Wet wt	a) Site A b) Site B c) Site C d) Site D e) Control site Collected 7/81 at reservoir sites contaminated 9/78-5/79 by industrial Se discharge Texas, Rusk and Panola Counties, Martin Lake Hyperlobulation of hepatopancreas, proliferative glomerulonephritis, abnormal numbers of degenerating ovarian follicles, reduced hematocrit, vacuolated and thickened lamellae, edemas, myocarditis, epicarditis HEPATOPANCREAS; TEXAS; BIOACCUMULATION; FISHES; INDUSTRIAL EMISSIONS; SELENIUM	Sorensen, E.M.B. Bauer, T.L. Bell, J.S. Harlan, C.W. 1982 Bulletin of Environmental Contamination and Toxicology 29:688-696

Selenium
7782-49-2
Se
ALW 78.96, MP 170-217 C, BP 685 C, VP 1 mm Hg at 356 C, 10 mm Hg at 429 C
Sunfish, redear
LEPOMIS MICROLOPHUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2300 Hepatopan creas		NA		a) Not given b) Not given c) Not given d) Not given e) Not given	a) 10.28 +or- 0.87 ppm b) 8.38 +or- 0.67 ppm c) 11.03 +or- 1.43 ppm d) 10.03 +or- 1.33 ppm e) 2.80 +or- 0.43 ppm Wet wt	a) Site A b) Site B c) Site C d) Site D e) Control site Collected 7/81 at reservoir sites contaminated 9/76-5/79 by industrial Se discharge Texas, Rusk and Panola Counties, Martin Lake Hyperlobulation of hepatopancreas, proliferative glomerulonephritis, abnormal numbers of degenerating ovarian follicles HEPATOPANCREAS; TEXAS; BIOACCUMULATION; FISHES; INDUSTRIAL EMISSIONS; SELENIUM	Sorensen, E.M.B. Bauer, T.L. Bell, J.S. Harlan, C.W. 1982 Bulletin of Environmental Contamination and Toxicology 29:688-696

Selenium
7782-49-2
Se
ALW 78.96, MP 170-217 C, BP 685 C, VP 1 mm Hg at 356 C, 10 mm Hg at 429 C
Whiting
MERLUCCIUS BILINEARIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2400 Liver		AAS	a) 10 b) 10 c) 10	a) Not given b) Not given c) Not given	a) 0.5 +or- 0.2 ug/g b) 0.3 +or- 0.2 ug/g c) 0.6 +or- 0.3 ug/g Dry wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Mean wt 330 g, mean length 36 cm New York Bight, Rockaway Inlet MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Elzerman, C.E. Holt, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207

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Selenium
7782-49-2
Se
AUW 78.96, MP 170-217 C, BP 685 C, VP 1 mm Hg at 356 C, 10 mm Hg at 620 C
Whiting
MERLUCCIUS BILINEARIS

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TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2401 Muscle		AAS	a) 10 b) 10 c) 10	a) Not given b) Not given c) Not given	a) 0.2 +or- 0.1 ug/g b) 0.3 +or- 0.2 ug/g c) 0.2 +or- 0.2 ug/g Dry wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Mean wt 330 g, mean length 36 cm New York Bight, Rockaway Inlet MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Holt, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207

Silver
7440-22-4
Ag
AUW 107.868, MP 960.5 C, BP 2000 C, VP 1 mm Hg at 1310 C, 10 mm Hg at 1540 C
Crab, rock
CANCER IRRORATUS Say

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2402 Gills		AAS	57	<0.1-5.1 ppm wet wt	0.7 +/- 0.7 ppm wet wt	0.3 ppm mean for newly molted crabs. Collected 12/78-6/80 near sewage disposal site Adults, 5.5-13 cm carapace width New York Bight Discolored or blackened gills in 31% of crabs. Dense growth of fouling organisms in 40% of discolored gills. Color not associated with microbial fouling, tissue pathology or metal concentration CRUSTACEANS; GILLS; NEW YORK; ADULTS; CADMIUM; COPPER; LEAD; SILVER; BIOACCUMULATION; WATER POLLUTION	Craig, R.A. Sawyer, T.E. Lewis, R.J. Galasso, M.E. 1982 Archives of Environmental Contamination and Toxicology 11:539-545

Strontium
7440-24-6
Sr
AGW 87.62, MP 357 C, BP 1366 C, VP 10 mm Hg at 890 C, 1 mm Hg at 740 C
Clam
RANGIA CUNEATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2603 Body		AAS	62	Not given	<10 ug/g wet wt	Composite samples, adults collected 12/78 prior to operation of ore refinery Mississippi, St. Louis Bay (SW) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Strontium
7440-24-6
Sr
AGW 87.62, MP 357 C, BP 1366 C, VP 10 mm Hg at 890 C, 1 mm Hg at 740 C
Oyster
CRASSOSTREA VIRGINICA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2604 Body		AAS		Not given	<10 ug/g wet wt	Collected 12/78 prior to operation of ore refinery. Shucked wet wt 6.5-11.7 g Mississippi, St. Louis Bay (SW) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI)
Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)
57-68-1
C12-H14-N4-O2-S
MW 278.32, MP 176 C (also reported: 170-179 C, 198-199 C, 205-207 C)
Cattle
BOS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2665 Blood	Ingestion		6	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given j) Not given k) Not given l) Not given m) Not given n) Not given o) Not given	a) 0.87 ug/dl b) 1.20 ug/dl c) 0.90 ug/dl d) 6.72 ug/dl e) 4.78 ug/dl f) 3.17 ug/dl g) 11.13 ug/dl h) 8.20 ug/dl i) 3.93 ug/dl j) 13.80 ug/dl k) 9.35 ug/dl l) 6.97 ug/dl m) 16.30 ug/dl n) 10.17 ug/dl o) 5.63 ug/dl	a) 6 h, 1840 mg/l b) 6 hr, 1020 mg/l c) 6 h, 572 mg/l d) 24 h, 1840 mg/l e) 24 h, 120 mg/l f) 24 h, 572 mg/l g) 48 h, 1840 mg/l h) 48 h, 1020 mg/l i) 48 h, 572 mg/l j) 72 h, 1840 mg/l k) 72 h, 1020 mg/l l) 72 h, 572 mg/l m) 96 h, 1840 mg/l n) 96 h, 1020 mg/l o) 96 h, 572 mg/l Exposure times and levels in drinking water Healthy, weaned Hereford-Angus calves, wt 200 kg, age 8 mo Reduced water intake CATTLE; CANADA; BLOOD; DRUGS; BIOACCUMULATION; DRINKING WATER	Church, T.L. Jensen, E.D. Blondin, C.H. Radostits, O.M. 1979 Canadian Veterinary Journal 20:41-44

Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI)
Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)
57-68-1
C12-H14-N4-O2-S
MW 278.32, MP 176 C (also reported: 170-179 C, 198-199 C, 205-207 C)
Swine
SUS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2666 Adipose	Ingestion	TLC Radiometry	a) 1 b) 1	a) Not applicable b) Not detected	a) 1.29 ppm b) Not detected	a) 1 day after 220 mg (C14)sulfamethazine/day for 2 days b) 15 days after 220 mg (C14)sulfamethazine/day for 4 days Crossbred barrows, wt 57 kg SWINE; INDIANA; ADIPOSE TISSUE; FOODS; KIDNEYS; LIVER; MUSCLES; URINE; DRUGS; BIOACCUMULATION; METABOLISM; METABOLITES	Giera, D.D. Black, K.P. Draper, L.E. Horts, J.L. Norberg, J.J. 1982 Journal of Agricultural and Food Chemistry 30:263-266

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Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI)
Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)
57-68-1
C12-H14-N4-O2-S
MW 278.32, MP 176 C (also reported: 170-175 C, 198-199 C, 205-207 C)
Swine
SUS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2407 Kidney	Ingestion	TLC Radiometry	a) 1 b) 1	a) Not detected b) Not applicable	a) 0.56 ppm b) 0.013 ppm	a) 1 day after 220 mg (C14)sulfamethazine/day for 3 days b) 15 days after 220 mg (C14)sulfamethazine/day for 4 days Crossbred barrows, wt 57 kg SWINE; INDIANA; ADIPOSE TISSUE; PDCBS; KIDNEYS; LIVER; MUSCLES; URINE; DRUGS; BIOACCUMULATION; METABOLISM; METABOLITES	Giera, D.D. Block, B.P. Draper, L.E. Marts, J.L. Herberg, R.J. 1982 Journal of Agricultural and Food Chemistry 30: 13-266
2408 Liver	Ingestion	TLC Radiometry	a) 1 b) 1	a) Not applicable b) Not applicable	a) 0.29 ppm b) 0.033 ppm	a) 1 day after 220 mg (C14)sulfamethazine/day for 3 days, (16% of residue is N4-glucopyranosylsulfamethazine) b) 15 days after 220 mg (C14)sulfamethazine/day for 4 days Crossbred barrows, wt 57 kg SWINE; INDIANA; ADIPOSE TISSUE; PDCBS; KIDNEYS; LIVER; MUSCLES; URINE; DRUGS; BIOACCUMULATION; METABOLISM; METABOLITES	Giera, D.D. Block, B.P. Draper, L.E. Marts, J.L. Herberg, R.J. 1982 Journal of Agricultural and Food Chemistry 30:263-266
2409 Muscle	Ingestion	TLC Radiometry	a) 1 b) 1	a) Not applicable b) Not detected	a) 2.22 ppm b) Not detected	a) 1 day after 220 mg (C14)sulfamethazine/day for 3 days, (16% of residue is N4-glucopyranosylsulfamethazine) b) 15 days after 220 mg (C14)sulfamethazine/day for 4 days Crossbred barrows, wt 57 kg SWINE; INDIANA; ADIPOSE TISSUE; PDCBS; KIDNEYS; LIVER; MUSCLES; URINE; DRUGS; BIOACCUMULATION; METABOLISM; METABOLITES	Giera, D.D. Block, B.P. Draper, L.E. Marts, J.L. Herberg, R.J. 1982 Journal of Agricultural and Food Chemistry 30:263-266

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Sulfasilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI)
Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)
57-68-1
C12-H14-N4-O2-S
MW 278.32, MP 176 C (also reported: 178-179 C, 198-199 C, 205-207 C)
Swine
SUS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2610 Urine	Ingestion	TLC Radiometry	1	a) Not applicable b) Not applicable c) Not applicable d) Not applicable e) Not applicable f) Not applicable g) Not applicable h) Not applicable	a) 56.6% b) 67.3% c) 73.5% d) 76.3% e) 81.3% f) 83.3% g) 83.8% h) 84.3% Cumulative % of dose	a) 1 day b) 2 days c) 3 days d) 4 days e) 6 days f) 8 days g) 10 days h) 15 days Times after 220 mg (C14)sulfamethazine/day for 4 days Primary metabolites N4-acetylsulfomethazine and sulfate conjugate Crossbred barrow, wt 57 kg SWINE; INDIANA; ADIPOSE TISSUE; PIGS; KIDNEYS; LIVER; MUSCLES; URINE; DRUGS; BIOACCUMULATION; METABOLISM; METABOLITES	Giera, D.D. Black, B.F. Draper, L.R. Hertz, J.L. Herberg, R.J. 1982 Journal of Agricultural and Food Chemistry 30:263-266

Tellurium
13494-80-9
Te
AtW 127.6, MP 449.5 C, BP 989.8 C, VP 1 mm Hg at 520 C
Bluefish, marine
POMATOMUS SALTATRIX

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2611 Muscle		AAS	a) 1-3 b) 1 c) 1 d) 1	a) Not given b) Not given c) Not given d) Not given	a) 1.1 +or- 0.3 ug/g b) 1.0 +or- 0.6 ug/g c) 1.1 +or- 0.3 ug/g d) 1.0 +or- 0.6 ug/g Dry wt	a) Stainless steel b) Titanium c) Lexan plastic d) Teflon-coated stainless steel Dissecting tool materials Dorsal muscle, fish wt 917-20 g, length 43.5-44.2 cm Virginia, Remora TELLURIUM; MOLLUSKS; NEW YORK; BODY; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION; FISHES	Holt, M. Klusek, C.S. 1982 Science of the Total Environment 24:129-136

Tellurium
13494-80-9
Te
AEW 127.6, MP 449.5 C, BP 989.8 C, VP 1 mm Hg at 520 C
Mussel
MYTILUS EDULIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2612 Body		AAS	a) 12 b) 9 c) 8	a) Not given b) Not given c) Not given	a) 0.7 +or- 0.5 ug/g b) 0.8 +or- 0.5 ug/g c) 1.3 +or- 0.7 ug/g Dry wt	a) Freeze b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Soft tissue wet wt 2.7-20.4 g Maine MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Holt, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207

Tellurium
13494-80-9
Te
AEW 127.6, MP 449.5 C, BP 989.8 C, VP 1 mm Hg at 520 C
Whiting
MERLUCCIUS BILINARIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2613 Liver		AAS		a) Not given b) Not given c) Not given	a) 1.0 +or- 0.6 ug/g b) 1.7 +or- 0.7 ug/g c) 0.9 +or- 0.7 ug/g Dry wt	a) Freeze b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Mean wet wt 330 g, mean length 36 cm New York Bight, Rockaway Inlet MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION; FISHES	Klusek, C.S. Holt, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207

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Tellurium
13494-80-9
Te
AEW 127.6, MP 449.5 C, BP 989.8 C, VP 1 mm Hg at 520 C
Whiting
MERLUCCIUS BILINEARIS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	NAMES	MEAN	GENERAL INFORMATION	REFERENCE
2414 Muscle		AAS	a) 9 b) 10 c) 10	a) Not given b) Not given c) Not given	a) 3 +or- 2 ug/g b) 2 +or- 1 ug/g c) 6 +or-2 ug/g Dry wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Mean wet wt 330 g, mean length 36 cm New York Bight, Rockaway Inlet MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Elwood, C.E. Holt, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:203-207

Tetradecane
629-59-4
C14-H30
MW 198.40, MP 5.86 C, BP 253.7 C, VP 1 mm Hg at 76.4 C
Chub, flathead
HYBOPSIS GRACILIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	NAMES	MEAN	GENERAL INFORMATION	REFERENCE
2415 Body		GC/MS		a) Not given b) Not given	a) <0.1 ug/g b) <0.1 ug/g Wet wt	a) Powder River, Locate b) Powder River Mouth Composite samples of 2-10 fish Montana (S) ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Welch, E.J. Kunkl, D.W. Leonard, E.N. Veith, G.D. Schoenthal, E.O. 1981 Bulletin of Environmental Contamination and Toxicology 26:726-728

Tetradecane
629-59-4
C14-H30
MW 198.40, MP 5.86 C, BP 253.7 C, VP 1 mm Hg at 76.4 C
Chub, lake
COREGIVUS PLUMBEUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2616 Body		GC/MS		Not given	<0.1 ug/g wet wt	Composite sample Montana (E), Big Horn River, Hardin ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Welch, E.J. Ezekl, D.W. Leonard, E.N. Veith, G.D. Schoenthal, H.D. 1981 Bulletin of Environmental Contamination and Toxicology 26:726-729

Tetradecane
629-59-4
C14-H30
MW 198.40, MP 5.86 C, BP 253.7 C, VP 1 mm Hg at 76.4 C
Duck, mallard
ANAS PLATYRHYNCHOS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2617 Eggs	Ingestion	GC GC/MS	1	a) Not given b) Not given c) Not given d) Not given	a) 0.56 ppm b) 0.61 ppm c) 0.29 ppm d) 0.31 ppm Wet wt	a) Saponification, GC b) Saponification, GC/MS c) Mechanical extraction, GC d) Mechanical extraction, GC/MS Better reproducibility with saponification. Pooled eggs from hen on diet containing 25,000 ppm South Louisiana crude oil for 4 mo BIRDS; EGGS; HYDROCARBONS; MEASUREMENT METHODS; MARYLAND; ADULTS	Bellelo, A.A. Gay, M.L. Coon, M.C. 1981 Chemosphere 10(11/12):1197-1203

Tetradecane
629-59-4
C14-H30
MW 198.40, MP 5.86 C, BP 253.7 C, VP 1 mm Hg at 76.4 C
Minnow, fathead
PIMEPHALES PROMELAS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2618 Body		GC/MS		a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given	a) 0.6 ug/g b) <0.1 ug/g c) <0.1 ug/g d) 0.5 ug/g e) 0.1 ug/g f) <0.1 ug/g g) <0.1 ug/g h) <0.1 ug/g i) <0.1 ug/g Wet wt	a) Tongue River, Birney b) Tongue River, Miles City c) Otter Creek, Ashland d) Pumpkin Creek, Miles City e) Box Elder Creek, Ekalaka f) Sunday Creek, Miles City g) Big Porcupine Creek, Forsyth h) Forpy Creek, Sanders i) Unnamed creek, Hardin Composite samples of 3-10 fish Montana (E) ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Welch, E.J. Buehl, D.W. Leonard, E.N. Veith, G.D. Schoenthal, E.D. 1981 Bulletin of Environmental Contamination and Toxicology 26:726-728

Tetradecane
629-59-4
C14-H30
MW 198.40, MP 5.86 C, BP 253.7 C, VP 1 mm Hg at 76.4 C
Minnow, silvery
HYBIOGNATHUS NUCHALIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2619 Body		GC/MS		Not given	0.1 ug/g wet wt	Composite sample Montana (E), Musselshell River, Melstrom ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Welch, E.J. Buehl, D.W. Leonard, E.N. Veith, G.D. Schoenthal, E.D. 1981 Bulletin of Environmental Contamination and Toxicology 26:726-728

Tetradecane
629-[illegible]
C14-[illegible]
MW 198.40, MP 5.86 C, BP 253.7 C, VP 1 mm Hg at 76.4 C
Sucker, white
CATOSTOMUS COMMERSONI

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2420 Body		GC/MP		a) Not given b) Not given c) Not given d) Not given e) Not given	a) <0.1 ug/g b) 0.1 ug/g c) <0.1 ug/g d) <0.1 ug/g e) <0.1 ug/g Wet wt	a) Tongue River Reservoir b) Little Powder River, Broadus c) O'Fallon Creek, Hill Iron d) Beaver Creek, Baker e) Hanging Woman Creek, Birney Composite samples of 2-10 fish Montana (E) ALKANES; MICHIGAN; MONTANA; BODY; BIOACCUMULATION; FISHES	Welch, E.J. Kuehl, D.W. Leonard, E.N. Veith, G.D. Schoonthal, M.D. 1981 Bulletin of Environmental Contamination and Toxicology 26:724-728

Tin
7440-31-5
Sn
AtW 118.69, MP 231.9 C, BP 2507 C, VP 1 mm Hg at 1610 C, 10 mm Hg at 1890 C
Bluefish, marine
POMATOMUS SALTATRIX

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2421 Muscle		AAS	a) 1-3 b) 1 c) 1 d) 1	a) Not given b) Not given c) Not given d) Not given	a) <1.5 ug/g b) <0.5 ug/g c) <0.5 ug/g c) <0.5 ug/g Dry wt	a) Stainless steel b) Titanium c) Lozan plastic d) Teflon-coated stainless steel Dissecting tool materials Dorsal muscle, fish wt 917-20 g, length 43.5-44.2 cm Virginia, Eumore TELLURIUM; MOLLUSKS; NEW YORK; BODY; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION; FISHES	Hait, M. Klusek, C.S. 1983 Science of the Total Environment 24:129-134

Tin
7440-31-5
Sn
AtW 118.69, MP 231.9 C, BP 2507 C, VP 1 mm Hg at 1610 C, 10 mm Hg at 1890 C
Mussel
MYTILUS EDULIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2422 Body		AAS	a) 12 b) 12 c) 8	a) Not given b) Not given c) Not given	a) 1.1 +or- 0.3 ug/g b) <0.5 ug/g c) <0.5 ug/g Dry wt	a) Freeze b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Soft tissue wet wt 2.7-20.4 g Maine MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Holt, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207

Tin
7440-31-5
Sn
AtW 118.69, MP 231.9 C, BP 2507 C, VP 1 mm Hg at 1610 C, 10 mm Hg at 1890 C
Mussel, freshwater
ELLIPTIO COMPLANATUS, LAMPSILIS RADIATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2423 Body		AAS	a) Several 100 b) 36	a) Not given b) Not given	a) <0.5 ug/g b) <0.5 ug/g Dry wt	a) Homogenized in food processor with stainless-steel blades b) Unhomogenized Soft tissue, muscle wet wt 2-12 g New York, Lake George TELLURIUM; MOLLUSKS; NEW YORK; BODY; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION; FISHES	Holt, M. Klusek, C.S. 1982 Science of the Total Environment 24:129-136

Tin
7440-31-5
Sn
AEW 118.69, MP 231.9 C, BP 2507 C, VP 1 mm Hg at 1610 C, 10 mm Hg at 1890 C
Whiting
MERLUCCIUS BILINARIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2024 Liver		AAS	a) 10 b) 10 c) 10	a) Not given b) Not given c) Not given	a) <0.5 ug/g b) <0.5 ug/g c) <0.5 ug/g Dry wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Mean wt 330 g, mean length 36 cm New York Bight, Rockaway Inlet MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Holt, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207
2025 Muscle		AAS	a) 10 b) 10 c) 10	a) Not given b) Not given c) Not given	a) <0.5 ug/g b) <0.5 ug/g c) <0.5 ug/g Dry wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Mean wt 330 g, mean length 36 cm New York Bight, Rockaway Inlet MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Holt, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207

Titanium
7440-32-6
Ti
AEW 47.90, MP 1677 C, BP 3277 C, VP 1 mm Hg at 2100 C, 10 mm Hg at 2480 C
Clam
MANGIA CUNEATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2026 Body		AAS	42	Not given	<2 ug/g wet wt	Composite samples, adults collected 12/78 prior to operation of ore refinery Mississippi, St. Louis Bay (MW) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Titanium
7440-32-6
Ti
AEW 47.90, MP 1677 C, BP 3277 C, VP 1 mm Hg at 2100 C, 10 mm Hg at 2480 C
Oyster
CRASSOSTREA VIRGINICA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2027 Body		AAS		Not given	<2 ug/g wet wt	Collected 12/78 prior to operation of ore refinery. Shucked wet wt 6.5-11.7 g Mississippi, St. Louis Bay (SW) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Tocopherol
1406-66-2
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Chicken
GALLUS DOMESTICUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2620 Blood, plasma	Ingestion	Radiometry	a) 6 b) 6 c) 6	a) Not given b) Not given c) Not given	a) 7.5 +or- 2.1 ug/ml b) 29.7 +or- 6.6 ug/ml c) 71.9 +or- 15.8 ug/ml	a) 10 mg/kg feed b) 50 mg/kg feed c) 250 mg/kg feed Additions to basal diet from hatching to age 28 days. 50 uCi/kg [RS]tocopherol and 50 uCi/kg Ce 141 added during last 4 days. White Rock chicks, wt 874 g 78-90% absorption and catabolism between food and lower ileum. Glucuronides major metabolites BIRDS; JUVENILES; BIOACCUMULATION; METABOLISM; METABOLITES; VITAMINS; BLOOD PLASMA; LIVER; ISRAEL	Shlen, D. Bartov, I. Hurvitz, S. 1982 Journal of Nutrition 112:1394-1400
2620 Liver	Ingestion	Radiometry	a) 6 b) 6 c) 6	a) Not given b) Not given c) Not given	a) 12.8 +or- 2.6 ug/g b) 38.2 +or- 6.4 ug/g c) 83.6 +or- 9.5 ug/g	a) 10 mg/kg feeC b) 50 mg/kg feed c) 250 mg/kg feed Additions to basal diet from hatching to age 28 days. 50 uCi/kg [RS]tocopherol and 50 uCi/kg Ce 141 added during last 4 days. White Rock chicks, wt 874 g 78-90% absorption and catabolism between food and lower ileum. Glucuronides major metabolites BIRDS; JUVENILES; BIOACCUMULATION; METABOLISM; METABOLITES; VITAMINS; BLOOD PLASMA; LIVER; ISRAEL	Shlen, D. Bartov, I. Hurvitz, S. 1982 Journal of Nutrition 112:1394-1400

Tocopherol
1406-66-2
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Turkey
MELEAGRIS GALLOPAVO

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2030 Blood, plasma	Ingestion	Radiometry	a) 6 b) 6 c) 6	a) Not given b) Not given c) Not given	a) 1.7 +or- 0.5 ug/ml b) 10.6 +or- 3.1 ug/ml c) 62.6 +or- 7.3 ug/ml	a) 10 mg/kg feed b) 50 mg/kg feed c) 250 mg/kg feed Additions to basal diet from hatching to age 28 days, 50 uCi/kg [R]tocopherol and 50 uCi/kg Co 161 added during last 4 days. S.U.Y. turkey poults, wt 964 g 70-90% absorption and catabolism between feed and lower ileum. Gluc.ronides major metabolites BIRDS; JUVENILES; BIOACCUMULATION; METABOLISM; METABOLITES; VITAMINS; BLOOD PLASMA; LIVER; ISRAEL	Shlen, D. Bartov, I. Hurvitz, S. 1982 Journal of Nutrition 112:1396-1400
2031 Liver	Ingestion	Radiometry	a) 6 b) 6 c) 6	a) Not given b) Not given c) Not given	a) 6.8 +or- 1.6 ug/g b) 19.6 +or- 3.6 ug/g c) 53.6 +or- 3.6 ug/g	a) 10 mg/kg feed b) 50 mg/kg feed c) 250 mg/kg feed Additions to basal diet from hatching to age 28 days, 50 uCi/kg [R]tocopherol and 50 uCi/kg Co 161 added during last 4 days. S.U.Y. turkey poults, wt 964 g 70-90% absorption and catabolism between feed and lower ileum. Glucuronides major metabolites BIRDS; JUVENILES; BIOACCUMULATION; METABOLISM; METABOLITES; VITAMINS; BLOOD PLASMA; LIVER; ISRAEL	Shlen, D. Bartov, I. Hurvitz, S. 1982 Journal of Nutrition 112:1396-1400

Toluene (8 Cl)
Benzene, methyl- (9 Cl)
108-88-3
C7-H8
MW 92.13, MP -95 to -90.5 C, BP 110.6 C, VP 36.7 mm Hg at 30 C
Crayfish
ORCONECTES RUSTICUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2032 Gills		Radiometry	a) 2 b) 2 c) 4 d) 4 e) 4 f) 4 g) 4	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 0.048 ug/mg b) 0.1015 ug/mg c) 0.2300 ug/mg d) 0.1690 ug/mg e) 0.1219 ug/mg f) 0.1416 ug/mg g) 0.0691 ug/mg	a) 0 hr b) 0.5 hr c) 2 hr d) 8 hr e) 16 hr f) 24 hr g) 48 hr Times exposed to 100.0 ug C10-toluene/l. Length 8-13 cm, mean wt 7.6 g Ohio, Baltic GILLS; ORGANIC COMPOUNDS; CRUSTACEANS; HEPATOPANCREAS; GREEN GLAND; OHIO; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; OVARIES; SPLEEN; TESTES; BIOACCUMULATION; FISHES; WATER POLLUTION	Berry, W.O. 1980 Environmental Pollution (Series A) 21:109-119
2033 Green gland		Radiometry	a) 2 b) 2 c) 4 d) 4 e) 4 f) 4 g) 4	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 0.1351 ug/mg b) 0.0967 ug/mg c) 0.2934 ug/mg d) 0.0717 ug/mg e) 0.0680 ug/mg f) 0.0911 ug/mg g) 0.0972 ug/mg	a) 0 hr b) 0.5 hr c) 2 hr d) 8 hr e) 16 hr f) 24 hr g) 48 hr Times exposed to 100.0 ug C10-toluene/l. Length 8-13 cm, mean wt 7.6 g Ohio, Baltic GILLS; ORGANIC COMPOUNDS; CRUSTACEANS; HEPATOPANCREAS; GREEN GLAND; OHIO; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; OVARIES; SPLEEN; TESTES; BIOACCUMULATION; FISHES; WATER POLLUTION	Berry, W.O. 1980 Environmental Pollution (Series A) 21:109-119

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Toluene (8 CI)
Benzene, methyl- (9 CI)
108-88-3
C7-H8
MW 92.13, MP -95 to -96.5 C, BP 110.6 C, VP 36.7 mm Hg at 30 C
Crayfish
ORCONECTES RUSTICUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2634 Heart		Radiometry	a) 2 b) 2 c) 6 d) 6 e) 6 f) 6 g) 6	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 0.1117 ug/mg b) 0.1380 ug/mg c) 0.3548 ug/mg d) 0.1358 ug/mg e) 0.1769 ug/mg f) 0.1045 ug/mg g) 0.1281 ug/mg	a) 0 hr b) 0.5 hr c) 2 hr d) 8 hr e) 16 hr f) 24 hr g) 48 hr Times exposed to 104.4 ug C14-toluene/l. Length 8-13 cm, mean wt 7.4 g Ohio, Baltic GILLS; ORGANIC COMPOUNDS; CRUSTACEANS; HEPATOPANCREAS; GREEN GLAND; OHIO; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; OVARIES; SPLEEN; TESTES; BIOACCUMULATION; FISHES; WATER POLLUTION	Berry, W.O. 1980 Environmental Pollution (Series A) 21:105-119
2635 Hepatopan creas		Radiometry	a) 2 b) 2 c) 6 d) 6 e) 6 f) 6 g) 6	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 0.0687 ug/mg b) 0.0867 ug/mg c) 0.6399 ug/mg d) 0.6782 ug/mg e) 0.8707 ug/mg f) 0.7025 ug/mg g) 0.3122 ug/mg	a) 0 hr b) 0.5 hr c) 2 hr d) 8 hr e) 16 hr f) 24 hr g) 48 hr Times exposed to 104.4 ug C14-toluene/l. Length 8-13 cm, mean wt 7.4 g Ohio, Baltic GILLS; ORGANIC COMPOUNDS; CRUSTACEANS; HEPATOPANCREAS; GREEN GLAND; OHIO; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; OVARIES; SPLEEN; TESTES; BIOACCUMULATION; FISHES; WATER POLLUTION	Berry, W.O. 1980 Environmental Pollution (Series A) 21:109-119

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Toluene (8 CI)
Benzene, methyl- (9 CI)
108-88-3
C7-H8
MW 92.13, MP -95 to -94.9 C, BP 110.6 C, VP 36.7 mm Hg at 30 C
Crayfish
ORCONECTES RUSTICUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2036 Intestine		Radiometry	a) 2 b) 2 c) 6 d) 6 e) 6 f) 6 g) 6	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 0.0395 ug/mg b) 0.0839 ug/mg c) 0.0937 ug/mg d) 0.0772 ug/mg e) 0.0603 ug/mg f) 0.067; ug/mg g) 0.0597 ug/mg	a) 0 hr b) 0.5 hr c) 2 hr d) 8 hr e) 16 hr f) 24 hr g) 48 hr Times exposed to 104.4 ug C14-toluene/l. Length 8-12 cm, mean wt 7.4 g Ohio, Baltic GILLS; ORGANIC COMPOUNDS; CRUSTACEANS; HEPATOPANCREAS; GREEN GLAND; OHIO; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; OVARIES; SPLEEN; TESTES; BIOACCUMULATION; FISHES; WATER POLLUTION	Berry, W.O. 1988 Environmental Pollution (Series A) 21:109-119
2037 Muscle		Radiometry	a) 2 b) 2 c) 6 d) 6 e) 6 f) 6 g) 6	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 0.0336 ug/mg b) 0.0758 ug/mg c) 0.0695 ug/mg d) 0.0403 ug/mg e) 0.0317 ug/mg f) 0.0283 ug/mg g) 0.0301 ug/mg	a) 0 hr b) 0.5 hr c) 2 hr d) 8 hr e) 16 hr f) 24 hr g) 48 hr Times exposed to 104.4 ug C14-toluene/l. Length 8-12 cm, mean wt 7.4 g Ohio, Baltic GILLS; ORGANIC COMPOUNDS; CRUSTACEANS; HEPATOPANCREAS; GREEN GLAND; OHIO; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; OVARIES; SPLEEN; TESTES; BIOACCUMULATION; FISHES; WATER POLLUTION	Berry, W.O. 1988 Environmental Pollution (Series A) 21:109-119

(NEXT PAGE)

Toluene (8 CI)
Benzene, methyl- (9 CI)
108-88-3
C7-H8
MW 92.13, MP -95 to -94.5 C, BP 110.6 C, VP 36.7 mm Hg at 30 C
Crayfish
ORCONECTES RUSTICUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2030 Ovary		Radiometry		a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 0.0653 ug/mg b) 0.2166 ug/mg c) 0.3388 ug/mg d) 0.1972 ug/mg e) 0.1338 ug/mg f) 0.0888 ug/mg g) 0.0719 ug/mg	a) 0 hr b) 0.5 hr c) 2 hr d) 8 hr e) 16 hr f) 24 hr g) 48 hr Times exposed to 104.4 mg C14-toluene/l. Length 8-13 cm, mean wt 7.4 g Ohio, Baltic GILLS; ORGANIC COMPOUNDS; CRUSTACEANS; HEPATOPANCREAS; GREEN GLAND; OHIO; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; OVARIES; SPLEEN; TESTES; BIOACCUMULATION; FISHES; WATER POLLUTION	Berry, W.O. 1986 Environmental Pollution (Series A) 21:109-119
2030 Testis		Radiometry		a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 0.0797 ug/mg b) 0.2175 ug/mg c) 0.2355 ug/mg d) 0.0576 ug/mg e) 0.0600 ug/mg f) 0.0974 ug/mg g) 0.0366 ug/mg	a) 0.5 hr b) 1 hr c) 2 hr d) 8 hr e) 16 hr f) 24 hr g) 48 hr Times exposed to 104.4 mg C14-toluene/l. Length 8-13 cm, mean wt 7.4 g Ohio, Baltic GILLS; ORGANIC COMPOUNDS; CRUSTACEANS; HEPATOPANCREAS; GREEN GLAND; OHIO; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; OVARIES; SPLEEN; TESTES; BIOACCUMULATION; FISHES; WATER POLLUTION	Berry, W.O. 1986 Environmental Pollution (Series A) 21:109-119

Toluene (8 CI)
Benzene, methyl- (9 CI)
108-88-3
C7-H8
MW 92.13, MP -95 to -94.5 C, BP 110.6 C, VP 36.7 mm Hg at 30 C
Sunfish, bluegill
LEPOMIS MACROCHIRUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2660 Brain		Radiometry	a) 2 b) 2 c) 4 d) 4 e) 4 f) 4 g) 4 h) 4 i) 4	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given	a) 0.0230 ug/mg b) 0.0216 ug/mg c) 0.0230 ug/mg d) 0.0269 ug/mg e) 0.0303 ug/mg f) 0.0346 ug/mg g) 0.0388 ug/mg h) 0.0263 ug/mg i) 0.0309 ug/mg	a) 0 hr b) 0.5 hr c) 1 hr d) 2 hr e) 4 hr f) 8 hr g) 16 hr h) 24 hr i) 48 hr Times exposed to 8.7 ng C14-toluene/l. Length 10-15 cm, mean wt 7.07 g Ohio, Baltic GILLS; ORGANIC COMPOUNDS; CRUSTACEANS; HEPATOPANCREAS; GREEN GLAND; OHIO; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; OVARIES; SPLEEN; TESTES; BIOACCUMULATION; FISHES; WATER POLLUTION	Berry, W.O. 1980 Environmental Pollution (Series A) 21:109-119
2661 Gall bladder		Radiometry	a) 2 b) 2 c) 4 d) 4 e) 4 f) 4 g) 4 h) 4 i) 4	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given	a) 0.0256 ug/mg b) 0.0483 ug/mg c) 0.0340 ug/mg d) 0.0533 ug/mg e) 0.0427 ug/mg f) 0.1105 ug/mg g) 0.0622 ug/mg h) 0.0780 ug/mg i) 0.1032 ug/mg	a) 0 hr b) 0.5 hr c) 1 hr d) 2 hr e) 4 hr f) 8 hr g) 16 hr h) 24 hr i) 48 hr Times exposed to 8.7 ng C14-toluene/l. Length 10-15 cm, mean wt 7.07 g Ohio, Baltic GILLS; ORGANIC COMPOUNDS; CRUSTACEANS; HEPATOPANCREAS; GREEN GLAND; OHIO; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; OVARIES; SPLEEN; TESTES; BIOACCUMULATION; FISHES; WATER POLLUTION	Berry, W.O. 1980 Environmental Pollution (Series A) 21:109-119

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Toluene (8 CI)
Benzene, methyl- (9 CI)
108-88-3
C7-H8
MW 92.13, MP -95 to -96.5 C, BP 110.6 C, VP 36.7 mm Hg at 30 C
Sunfish, bluegill
LEPOMIS MACROCHIRUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2402 Gills		Radiometry	a) 2 b) 2 c) 4 d) 4 e) 4 f) 4 g) 4 h) 4 i) 4	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given	a) 0.0656 ug/mg b) 0.0465 ug/mg c) 0.0681 ug/mg d) 0.0698 ug/mg e) 0.0532 ug/mg f) 0.064 ug/mg g) 0.0629 ug/mg h) 0.0582 ug/mg i) 0.0582 ug/mg	a) 0 hr b) 0.5 hr c) 1 hr d) 2 hr e) 4 hr f) 8 hr g) 16 hr h) 24 hr i) 48 hr Times exposed to 0.7 ug C14-toluene/l. Length 10-15 cm, mean wt 7.87 g Ohio, Baltic GILLS; ORGANIC COMPOUNDS; CRUSTACEANS; HEPATOPANCREAS; GREEN GLAND; OHIO; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; OVARIES; SPLEEN; TESTES; BIOACCUMULATION; FISHES; WATER POLLUTION	Berry, W.O. 1980 Environmental Pollution (Series A) 21:109-119
2403 Heart		Radiometry	a) 2 b) 2 c) 4 d) 4 e) 4 f) 4 g) 4 h) 4 i) 4	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given	a) 0.090 ug/mg b) 0.1249 ug/mg c) 0.0730 ug/mg d) 0.1199 ug/mg e) 0.0969 ug/mg f) 0.1622 ug/mg g) 0.0856 ug/mg h) 0.0865 ug/mg i) 0.0828 ug/mg	a) 0 hr b) 0.5 hr c) 1 hr d) 2 hr e) 4 hr f) 8 hr g) 16 hr h) 24 hr i) 48 hr Times exposed to 0.7 ug C14-toluene/l. Length 10-15 cm, mean wt 7.87 g Ohio, Baltic GILLS; ORGANIC COMPOUNDS; CRUSTACEANS; HEPATOPANCREAS; GREEN GLAND; OHIO; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; OVARIES; SPLEEN; TESTES; BIOACCUMULATION; FISHES; WATER POLLUTION	Berry, W.O. 1980 Environmental Pollution (Series A) 21:109-119

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Toluene (8 CI)
Benzene, methyl- (9 CI)
108-88-3
C7-H8
MW 92.13, MP -95 to -94.5 C, BP 110.6 C, VP 36.7 mm Hg at 30 C
Sunfish, bluegill
LEPOMIS MACROCHIRUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2404 Intestine		Radiometry	a) 2 b) 2 c) 4 d) 4 e) 4 f) 4 g) 4 h) 4 i) 4	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given	a) 0.0202 ug/mg b) 0.0268 ug/mg c) 0.0627 ug/mg d) 0.0865 ug/mg e) 0.1002 ug/mg f) 0.2659 ug/mg g) 0.1103 ug/mg h) 0.0830 ug/mg i) 0.0903 ug/mg	a) 0 hr b) 0.5 hr c) 1 hr d) 2 hr e) 4 hr f) 8 hr g) 16 hr h) 24 hr i) 48 hr Tissue exposed to 0.7 ug C14-toluene/l. Length 10-15 cm, mean wt 7.87 g Ohio, Baltic GILLS; ORGANIC COMPOUNDS; CRUSTACEANS; HEPATOPANCREAS; GREEN GLAND; OHIO; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; OVARIES; SPLEEN; TESTES; BIOACCUMULATION; FISHES; WATER POLLUTION	Perry, W.O. 1980 Environmental Pollution (Series A) 21:109-119
2405 Kidney		Radiometry	a) 2 b) 2 c) 4 d) 4 e) 4 f) 4 g) 4 h) 4 i) 4	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given	a) 0.0675 ug/mg b) 0.0650 ug/mg c) 0.0709 ug/mg d) 0.0521 ug/mg e) 0.0516 ug/mg f) 0.1276 ug/mg g) 0.0498 ug/mg h) 0.0385 ug/mg i) 0.0449 ug/mg	a) 0 hr b) 0.5 hr c) 1 hr d) 2 hr e) 4 hr f) 8 hr g) 16 hr h) 24 hr i) 48 hr Tissue exposed to 0.7 ug C14-toluene/l. Length 10-15 cm, mean wt 7.87 g Ohio, Baltic GILLS; ORGANIC COMPOUNDS; CRUSTACEANS; HEPATOPANCREAS; GREEN GLAND; OHIO; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; OVARIES; SPLEEN; TESTES; BIOACCUMULATION; FISHES; WATER POLLUTION	Perry, W.O. 1980 Environmental Pollution (Series A) 21:109-119

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Toluene (8 CI)
Benzene, methyl- (9 CI)
108-88-3
C7-H8
MW 92.13, MP -95 to -94.5 C, BP 110.6 C, VP 36.7 mm Hg at 30 C
Sunfish, bluegill
LEPOMIS MACROCHIRUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2066 Liver	Ingestion	Radiometry	a) 2 b) 2 c) 6 d) 6 e) 6 f) 6 g) 6 h) 6 i) 6	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given	a) 0.0133 ug/ug b) 0.0260 ug/ug c) 0.0183 ug/ug d) 0.0217 ug/ug e) 0.0233 ug/ug f) 0.0330 ug/ug g) 0.0279 ug/ug h) 0.0303 ug/ug i) 0.0265 ug/ug	a) 0 hr b) 0.5 hr c) 1 hr d) 2 hr e) 4 hr f) 8 hr g) 16 hr h) 24 hr i) 48 hr Times exposed to 0.7 ug C14-toluene/l. Length 10-15 cm. mean wt 7.87 g Ohio, Baltic GILLS; ORGANIC COMPOUNDS; CRUSTACEANS; HEPATOPANCREAS; GREEN GLAND; OVIO; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; OVARIES; SPLEEN; TESTES; BIOACCUMULATION; FISHES; WATER POLLUTION	Berry, W.O. 1980 Environmental Pollution (Series A) 21:109-119
2067 Ovary		Radiometry	a) 2 b) 6 c) 6 d) 6 e) 6 f) 6 g) 6 h) 6	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given	a) 0.0067 ug/ug b) 0.0165 ug/ug c) 0.0120 ug/ug d) 0.0114 ug/ug e) 0.0145 ug/ug f) 0.0117 ug/ug g) 0.0144 ug/ug h) 0.0126 ug/ug	a) 0 hr b) 1 hr c) 2 hr d) 4 hr e) 8 hr f) 16 hr g) 24 hr h) 48 hr Times exposed to 0.7 ug C14-toluene/l. Length 10-15 cm. mean wt 7.87 g Ohio, Baltic GILLS; ORGANIC COMPOUNDS; CRUSTACEANS; HEPATOPANCREAS; GREEN GLAND; OVIO; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; OVARIES; SPLEEN; TESTES; BIOACCUMULATION; FISHES; WATER POLLUTION	Berry, W.O. 1980 Environmental Pollution (Series A) 21:109-119

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Toluene (8 CI)
Benzene, methyl- (9 CI)
108-88-3
C7-H8
MW 92.13, MP -95 to -94.5 C, BP 110.6 C, VP 36.7 mm Hg at 30 C
Sunfish, Bluegill
LEPOMIS MACROCHIRUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2648 Spleen		Radiometry	a) 2 b) 2 c) 6 d) 6 e) 6 f) 6 g) 6 h) 6 i) 6	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given	a) 0.0752 ug/mg b) 0.0561 ug/mg c) 0.1400 ug/mg d) 0.2099 ug/mg e) 0.2056 ug/mg f) 0.2565 ug/mg g) 0.1720 ug/mg h) 0.1972 ug/mg i) 0.1467 ug/mg	a) 0 hr b) 0.5 hr c) 1 hr d) 2 hr e) 4 hr f) 8 hr g) 16 hr h) 24 hr i) 48 hr Times exposed to 0.7 ug C14-toluene/l. Length 10-15 cm, mean wt 7.87 g Ohio, Baltic GILLS; ORGANIC COMPOUNDS; CRUSTACEANS; HEPATOPANCREAS; GREEN GLAND; OHIO; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; OVARIES; SPLEEN; TESTES; BIOACCUMULATION; FISHES; WATER POLLUTION	Berry, W.O. 1980 Environmental Pollution (Series A) 21:109-119
2649 Testis		Radiometry		a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 0.0170 ug/mg b) 0.0698 ug/mg c) 0.2011 ug/mg d) 0.1258 ug/mg e) 0.2659 ug/mg f) 0.1557 ug/mg g) 0.1423 ug/mg	a) 0 hr b) 0.5 hr c) 2 hr d) 4 hr e) 8 hr f) 16 hr g) 48 hr Times exposed to 0.7 ug C14-toluene/l. Length 10-15 cm, mean wt 7.87 g Ohio, Baltic GILLS; ORGANIC COMPOUNDS; CRUSTACEANS; HEPATOPANCREAS; GREEN GLAND; OHIO; BRAIN; GALL BLADDER; HEART; INTESTINES; KIDNEYS; LIVER; OVARIES; SPLEEN; TESTES; BIOACCUMULATION; FISHES; WATER POLLUTION	Berry, W.O. 1980 Environmental Pollution (Series A) 21:109-119

Toxaphene
8001-35-2
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Canvasback
AYTHYA VALISINERIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2650 Body		GC/MS	a) 29 b) 113	a) Not detected b) Not given	a) Not detected b) 0.17 +or- 0.01 ppm Wet wt	a) 1973, skinned b) 1975, plucked (2 with residue) GI tracts, feet, and beaks removed Maryland, Chesapeake Bay BIRDS; MARYLAND; BODY; BONES; KIDNEYS; LIVER; CADMIUM; CHLORINE ORGANIC COMPOUNDS; CHROMIUM; COPPER; DDD; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; LEAD; MERCURY; POLYCHLORINATED BIPHENYLS; ZINC; BIOACCUMULATION; PESTICIDE RESIDUES	White, D.H. Stendell, R.C. Hulburn, H.M. 1979 Wilson Bulletin 91(2):279-287

Toxaphene
8001-35-2
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Pelican, Brown
PELECANUS OCCIDENTALIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2651 Eggs		GC-EC	a) 21 b) 25 c) 30 d) 25	a) 0.12-0.58 ug/g b) Not detected c) Not detected-0.73 ug/g d) Not detected-0.27 ug/g Wet wt	a) 0.32 ug/g b) Not applicable c) 0.16 ug/g d) 0.11 ug/g Wet wt Geometric means	a) 1973 b) 1974 c) 1975 d) 1976 Shell thickness means 6.7-13.5% less than pre-1947 Viable and addled eggs from birds transplanted from Florida to Louisiana 1968-76 Louisiana, Barataria Bay BIRDS; EGGS; LOUISIANA; DDD; DDE; DDT; DIELDRIN; CHLORINE ORGANIC COMPOUNDS; HEPTACHLOR EPOXIDE; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Blus, L. Cromartie, E. McHenee, L. Joanen, T. 1979 Bulletin of Environmental Contamination and Toxicology 22:128-135

Toxaphene
8001-35-2
EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Turtle, yellow mud
KINOSTERNON FLAVESCENS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2652 Body			1	Not applicable	0.3 ppm wet wt	Collected 6/1/76 in a flooded rice field planted 5/9/76 with seed treated with 113 g aldrin/45 kg at 45.6 kg/ha followed by toxaphene application Wt 110.1 g Texas, Brazoria County, Chocolate Bayou Ataxia TURTLES; TEXAS; BODY; CHLORINE ORGANIC COMPOUNDS; DIELDRIN; PESTICIDES; BIOACCUMULATION; PESTICIDE RESIDUES	Flickinger, E.L. Hulbert, S.H. 1980 Herpetological Review 11(2):29-30

Tridecane
629-50-5
C13-H28
MW 184.37, MP -9.5 C, BP 235.4 C, VP 1 mm Hg at 59.4 C
Duck, mallard
ANAS PLATYRHYNCHOS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2653 Eggs	Ingestion	GC GC/MS	1	a) Not given b) Not given c) Not given d) Not given	a) 0.61 ppm b) 0.66 ppm c) 0.36 ppm d) 0.40 ppm Wet wt	a) Saponification, GC b) Saponification, GC/MS c) Mechanical extraction, GC d) Mechanical extraction, GC/MS Better reproducibility with saponification. Pooled eggs from hen on diet containing 25,000 ppm South Louisiana crude oil for 6 mo BIRDS; EGGS; HYDROCARBONS; MEASUREMENT METHODS; MARYLAND; ADULTS	Bellelo, A.A. Coy, M.L. Coon, N.C. 1981 Chemosphere 10(11/12):1197-1203

Vanadium
7440-62-2
V
AEW 50.9410, BP 1917 C, BP 3000 C, VP 1 mm Hg at 2290 C, 10 mm Hg at 2570 C
Bluefish, marine
POMATOMUS SALTATRIX

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2650 Muscle		AAS	a) 1-3 b) 1 c) 1 d) 1	a) Not given b) Not given c) Not given d) Not given	a) <0.1 ug/g b) <0.1 ug/g c) <0.1 ug/g d) <0.1 ug/g Dry wt	a) Stainless steel b) Titanium c) Lexan plastic d) Teflon-coated stainless steel Dissecting tool materials Dorsal muscle, fish wt 917-20 g, length 43.5-44.2 cm Virginia, Esmore TELLURIUM; MOLLUSKS; NEW YORK; BODY; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION; FISHES	Nait, M. Klusek, C.S. 1982 Science of the Total Environment 24:129-134

Vanadium
7440-62-2
V
AEW 50.9410, BP 1917 C, BP 3000 C, VP 1 mm Hg at 2290 C, 10 mm Hg at 2570 C
Clam
RANGIA CUNEATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2655 Body		AAS	42	Not given	<2 ug/g wet wt	Composite samples, adults collected 12/78 prior to operation of ore refinery Mississippi, St. Louis Bay (MW) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Vanadium
7440-62-2
V
AEW 50.9414, MP 1917 C, BP 3000 C, VP 1 mm Hg at 2290 C, 10 mm Hg at 2570 C
Mussel
MYTILUS EDULIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2056 Body		HA	a) 20 b) 20 c) 20 d) 20 e) 20 f) 20 g) 20 h) 20 i) 20	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given	a) 0.39 ug b) 0.73 ug c) 0.70 ug d) 1.26 ug e) 1.02 ug f) 2.11 ug g) 1.52 ug h) 1.63 ug i) 2.30 ug	a) 10/23/79, wt 0.467 g b) 11/19/79, wt 0.692 g c) 1/19/80, wt 0.680 g d) 2/11/80, wt 0.626 g e) 3/10/80, wt 0.581 g f) 4/8/80, wt 0.630 g g) 5/7/80, wt 0.616 g h) 6/2/80, wt 0.646 g i) 6/17/80, wt 0.810 g Somatic tissue. Pooled samples Sexually mature population, size 50-60 mm Oregon, Newport, Yaquina Bay MOLLUSKS; GONADS; ORGAN; ADULTS; BODY; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; MANGANESE; NICKEL; VANADIUM; ZINC	Latouche, Y.D. Hie, H.C. 1981 Bulletin of Environmental Contamination and Toxicology 27:821-828
2057 Body		AA[c]	a) 12 b) 11 c) 8	a) Not given b) Not given c) Not given	a) <0.1 ug/g b) 1.1 +or- 0.4 ug/g c) 1.0 +or- 0.4 ug/g Dry wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Soft tissue wet wt 2.7-20.4 g Maine MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Elwood, C.E. Holt, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207
2058 Gonads		HA	a) 20 b) 20 c) 20 d) 20 d) 20 e) 20 f) 20 g) 20 h) 20	a) Not detected b) Not detected c) Not given d) Not given e) Not given f) Not given g) Not given h) Not detected	a) Not applicable b) Not applicable c) 0.06 ug d) 0.07 ug e) 0.11 ug f) 0.03 ug g) 0.07 ug h) Not applicable	a) 10/23/79, wt 0.154 g b) 2/11/80, wt 0.151 g c) 2/26/80, wt 0.190 g d) 3/10/80, wt 0.169 g e) 4/23/80, wt 0.197 g f) 5/7/80, wt 0.112 g g) 6/2/80, wt 0.130 g h) 6/17/80, wt 0.250 g Pooled samples Sexually mature population, size 50-60 mm Oregon, Newport, Yaquina Bay MOLLUSKS; GONADS; ORGAN; ADULTS; BODY; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; MANGANESE; NICKEL; VANADIUM; ZINC	Latouche, Y.D. Hie, H.C. 1981 Bulletin of Environmental Contamination and Toxicology 27:821-828

Vanadium
7440-62-2
V
AtW 50.9414, MP 1917 C, BP 3000 C, VP 1 mm Hg at 2290 C, 10 mm Hg at 2570 C
Mussel, freshwater
ELLIPTIO COMPLANATUS, LAMPSILUS RADIATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2650 Body		AAS	a) Several 100 b) 36	a) Not given b) Not given	a) 0.8 +or- 0.5 ug/g b) 0.6 +or- 0.4 ug/g Dry wt	a) Homogenized in food processor with stainless-steel blades b) Unhomogenized Soft tissues, mussels wet wt 2-12 g New York, Lake George TELLURIUM; MOLLUSKS; NEW YORK; BODY; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION; FISHES	Holt, M. Klusek, C.S. 1982 Science of the Total Environment 25:129-134

Vanadium
7440-62-2
V
AtW 50.9414, MP 1917 C, BP 3000 C, VP 1 mm Hg at 2290 C, 10 mm Hg at 2570 C
Oyster
CRASSOSTREA VIRGINICA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2650 Body		AAS		Not given	<2 ug/g wet wt	Collected 12/78 prior to operation of ore refinery. Shucked wet wt 6.5-11.7 g Mississippi, St. Louis Bay (SW) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Vanadium
7440-62-2
V
AtW 50.9414, MP 1917 C, BP 3000 C, VP 1 mm Hg at 2290 C, 10 mm Hg at 2570 C
Whiting
MERLUCCIUS BILBARIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2461 Liver		AAS	a) 10 b) 7 c) 10	a) Not given b) Not given c) Not given	a) <0.1 ug/g b) 0.2 +or- 0.1 ug/g c) <0.1 ug/g Dry wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Mean wt 330 g, mean length 36 cm New York Bight, Rockaway Inlet MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Heit, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207
2462 Muscle		AAS	a) 10 b) 10 c) 10	a) Not given b) Not given c) Not given	a) <0.1 ug/g b) <0.1 ug/g c) <0.1 ug/g Dry wt	a) Frozen b) Preserved in 10% formaldehyde c) Preserved in 10% formaldehyde Mean wt 330 g, mean length 36 cm New York Bight, Rockaway Inlet MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Heit, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207

Zinc
7440-66-6
Zn
AtW 65.38, MP 419.5 C, BP 900 C, VP 1 mm Hg at 487 C, 10 mm Hg at 590 C
Bluefish, marine
POMATOMUS SALTATRIX

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2063 Muscle		AAS	a) 1-3 b) 1 c) 1	a) Not given b) Not given c) Not given	a) 30 +or- 7 ug/g b) 12 +or- 6 ug/g c) 25 +or- 3 ug/g Dry wt	a) Stainless steel b) Lexan plastic c) Teflon-coated stainless steel Dissecting tool materials Dorsal muscle, fish wt 917-20 g, length 43.5-44.2 cm Virginia, Essex TELLURIUM; MOLLUSKS; NEW YORK; BODY; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION; FISHES	Hall, W. Klusek, C.S. 1982 Science of the Total Environment 24:129-134

Zinc
7440-66-6
Zn
AtW 65.38, MP 419.5 C, BP 900 C, VP 1 mm Hg at 487 C, 10 mm Hg at 590 C
Canvasback
AYTHYA VALISINERIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2064 Liver		AAS	29	Not given	61 +or- 3 ppm wet wt	Collected 1973 Maryland, Chesapeake Bay BIRDS; MARYLAND; BODY; BONES; KIDNEYS; LIVER; CADMIUM; CHLORIDE ORGANIC COMPOUNDS; CHROMIUM; COPPER; DDD; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; LEAD; MERCURY; POLYCHLORINATED BIPHENYLS; ZINC; BIOACCUMULATION; PESTICIDE RESIDUES	White, D.H. Stendell, R.C. Hulburn, H.M. 1979 Wilson Bulletin 91(2):279-287

Zinc
7440-66-6
Zn
AtW 65.38, MP 419.5 C, BP 906 C, VP 1 mm Hg at 487 C, 10 mm Hg at 590 C
Cattle
BOS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2465 Blood	Ingestion	AAS	48	a) Not given b) Not given c) Not given	a) 3.76 +or- 0.99 mg/l b) 3.96 +or- 0.62 mg/l c) 3.76 +or- 1.05 mg/l	a) Control pasture, Pensacola bahiagrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season 168 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Hdds, G.T. West, N.L. 1981 Journal of Animal Science 53(1):;146-153
2466 Kidney	Ingestion	AAS	48	a) Not given b) Not given c) Not given	a) 22.8 +or- 2.28 mg/kg b) 28.66 +or- 2.66 mg/kg c) 28.19 +or- 1.12 mg/kg Wet wt	a) Control pasture, Pensacola bahiagrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season 168 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Hdds, G.T. West, N.L. 1981 Journal of Animal Science 53(1):;146-153
2467 Kidney		AAS	170	16.2-60.9 mg/kg wet wt	25.1 +or- 6.3 mg/kg wet wt	From abattoirs in 10 selected 100-sq km areas representing a cross-section of industries. Australia, Queensland CATTLE; AUSTRALIA; KIDNEYS; LIVER; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; SELENIUM; ZINC; BIOACCUMULATION; INDUSTRIAL AREAS	Kramer, H.L. Steiner, J.W. Tolley, P.J. 1983 Bulletin of Environmental Contamination and Toxicology 30:588-594

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Elem
7440-66-6
Zn
Atw 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 598 C
Cattle
Bos sp.

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TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2468 Liver	Ingestion	AAS	48	a) Not given b) Not given c) Not given	a) 38.48 +or- 5.30 mg/kg b) 38.64 +or- 6.96 mg/kg c) 39.50 +or- 4.52 mg/kg Wet wt	a) Control pasture, Pensacola bahiagrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season 168 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Edds, G.T. West, N.L. 1981 Journal of Animal Science 53(1):146-153
2469 Liver		AAS	180	14.3-125.6 mg/kg wet wt	50.9 +or- 17.3 mg/kg wet wt	From abattoirs in 10 selected 100-sq km areas representing a cross-section of industries. Australia, Queensland CATTLE; AUSTRALIA; KIDNEYS; LIVER; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; SELENIUM; ZINC; BIOACCUMULATION; INDUSTRIAL AREAS	Kramer, H.L. Steiner, J.W. Valleiy, P.J. 1983 Bulletin of Environmental Contamination and Toxicology 30:588-594
2470 Muscle	Ingestion	AAS	48	a) Not given b) Not given c) Not given	a) 45.15 +or- 8.70 mg/kg b) 48.80 +or- 12.68 mg/kg c) 53.48 +or- 7.91 mg/kg Wet wt	a) Control pasture, Pensacola bahiagrass, normal fertilization b) 7.6 cm Pensacola liquid digested sludge (16 metric tons)/ha applied before and during grazing season c) 15.2 cm Pensacola liquid digested sludge (32 metric tons)/ha applied before and during grazing season 168 grazing days. Beef steers, mixed breeds, mean wt 289 kg No differences in performance and carcass characteristics CATTLE; SLUDGES; FLORIDA; ADULTS; BLOOD; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; NICKEL; ZINC; BIOACCUMULATION	Bertrand, J.E. Lutrick, M.C. Edds, G.T. West, N.L. 1981 Journal of Animal Science 53(1):146-153

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Zinc
7440-66-6
Zn
AtW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 590 C
Cattle
BOS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2471 Muscle		AAS	181	16.1-186.7 mg/kg wet wt	61.9 +or- 13.0 mg/kg wet wt	From abattoirs in 10 selected 100-sq km areas representing a cross-section of ind.-stries. Australia, Queensland CA.TLE; AUSTRALIA; KIDNEYS; LIVER; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; SELENIUM; ZINC; BIOACCUMULATION; INDUSTRIAL AREAS	Kramer, H.L. Steiner, J.W. Valley, P.J. 1983 Bulletin of Environmental Contamination and Toxicology 30:588-591

Zinc
7440-66-6
Zn
AtW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 590 C
Char
SALVELINUS ALPINUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2472 Bone		AAS	a) 10 b) 10	a) 135-269 ug/l b) 166-337 ug/l Dry wt	a) 195.5 ug/l b) 232.9 ug/l Dry wt	a) Llyn Peris b) Llyn Padarn Collected 11/76 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-6 yr, length 60-240 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Coux, I.G. 1982 Environmental Pollution (Series A) 29:101-110

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Zinc
7440-66-6
Zn
AtW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 598 C
Char
SALVELINUS ALPINUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2673 Kidney		AAS	a) 10 b) 10	a) 86-157 ug/l b) 80-120 ug/l Dry wt	a) 113.1 ug/l b) 105.3 ug/l Dry wt	a) Llyn Peris b) Llyn Padarn Collected 11/74 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-6 yr, length 68-265 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cove, I.G. 1982 Environmental Pollution (Series A) 29:101-110
2674 Liver		AAS	a) 10 b) 10	a) 123-149 ug/l b) 199-235 ug/l Dry wt	a) 135.1 ug/l b) 166.3 ug/l Dry wt	a) Llyn Peris b) Llyn Padarn Collected 11/74 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-6 yr, length 68-265 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cove, I.G. 1982 Environmental Pollution (Series A) 29:101-110
2675 Muscle		AAS	a) 10 b) 10	a) 19-45 ug/l b) 18-49 ug/l Dry wt	a) 27.7 ug/l b) 33.2 ug/l Dry wt	a) Llyn Peris b) Llyn Padarn Collected 11/74 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-6 yr, length 68-265 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cove, I.G. 1982 Environmental Pollution (Series A) 29:101-110

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Zinc
7440-66-6
Zn
AtW 65.38, MP 419.5 C, BP 906 C, VP 1 mm Hg at 487 C, 10 mm Hg at 590 C
Chor
SALVELINUS ALPINUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2476 Scales		AAS	a) 10 b) 10	a) 210-482 ug/l b) 223-787 ug/l Dry wt	a) 319.5 ug/l b) 432.2 ug/l Dry wt	a) Llyn Peris b) Llyn Padarn Collected 11/76 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-6 yr, length 60-240 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cave, I.G. 1982 Environmental Pollution (Series A) 29:101-110

Zinc
7440-66-6
Zn
AtW 65.38, MP 419.5 C, BP 906 C, VP 1 mm Hg at 487 C, 10 mm Hg at 590 C
Clam
RANGIA CUNEATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2477 Body		AAS	42	Not given	16.5 ug/g wet wt	Composite samples, adults collected 12/78 prior to operation of ore refinery Mississippi, St. Louis Bay (MS) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; IRON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Zinc
7440-66-6
Zn
AtW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 598 C
Clam, softshell
MYA ARENARIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2670 Muscle		AAS	110	Not given	10.7 +or- 3.8 ug/g wet wt	Total soft tissues. Collected 1970-74 Oregon, coast CRUSTACEANS; HEPATOPANCREAS; MOLLUSKS; ORGANS; MUSCLES; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; IRON; MANGANESE; MERCURY; ZINC	Caldwell, R.S. Buhler, D.R. 1983 Archives of Environmental Contamination and Toxicology 12:15-23

Zinc
7440-66-6
Zn
AtW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 598 C
Cockle
CLINOCARDIUM NUTTALLII

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2670 Muscle		AAS	62	Not given	10.0 +or- 2.62 ug/g wet wt	Total soft tissues. Collected 1970-74 Oregon, coast CRUSTACEANS; HEPATOPANCREAS; MOLLUSKS; ORGANS; MUSCLES; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; IRON; MANGANESE; MERCURY; ZINC	Caldwell, R.S. Buhler, D.R. 1983 Archives of Environmental Contamination and Toxicology 12:15-23

Zinc
7440-66-6
Zn
AtW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 590 C
Crab

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2000 Body		AAS	12	35.94-66.09 ug/g wet wt	48.92 ug/g wet wt	Collected 6/81 in sewage outfall area. Mean sediment concentration 22 ug/g Wt 36.7-163.9 g Saudi Arabia, Arabian Gulf, AD-Dammam CRUSTACEANS; SAUDI ARABIA; JUVENILES; SEDIMENTS; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BIOACCUMULATION; WATER POLLUTION; DDT	Sadiq, M. Zaidi, T.H. Bode, A. Rice, A.A. 1982 Bulletin of Environmental Contamination and Toxicology 29:313-319

Zinc
7440-66-6
Zn
AtW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 590 C
Crab, Dungeness
CANCER MAGISTER

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2001 Hepatopancreas		AAS	123	Not given	21.2 +or- 0.11 ug/g wet wt	Collected 1970-74 Oregon, coast CRUSTACEANS; HEPATOPANCREAS; MOLLUSKS; OREGON; MUSCLES; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; IRON; MANGANESE; MERCURY; ZINC	Caldwell, R.S. Buhler, D.R. 1983 Archives of Environmental Contamination and Toxicology 12:15-23
2002 Muscle		AAS	166	Not given	41.9 +or- 3.35 ug/g wet wt	Collected 1970-74 Oregon, coast CRUSTACEANS; HEPATOPANCREAS; MOLLUSKS; OREGON; MUSCLES; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; IRON; MANGANESE; MERCURY; ZINC	Caldwell, R.S. Buhler, D.R. 1983 Archives of Environmental Contamination and Toxicology 12:15-23

Zinc
7440-66-6
Zn
AtW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 598 C
Drum, rod
SCIAENOPS OCELLATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2983 Gills		AAS	a) 1 b) 2	a) not applicable b) not given	a) 65 ppm b) 11 +or- 1 ppm Wet wt	a) Diseased, part of mass kill 6-7/88. Length 93 cm, wt 14 kg b) Controls, length 66 and 69 cm, wt 3.9 and 4.6 kg Florida, Titusville, Indian River and Mosquito Lagoon Lethargy, incoordination, death Elevated serum electrolyte concentrations, edematous gills, excessive mucus secretion GILLS; FLORIDA; ADULTS; METAL POISONING; KIDNEYS; LIVER; ARSENIC; CADMIUM; CHROMIUM; COPPER; MERCURY; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cardeilhac, P.T. Simpson, C.F. White, F.H. Thompson, N.P. Carr, W.E. 1991 Bulletin of Environmental Contamination and Toxicology 27:639-644
2984 Kidney		AAS	a) 1 b) 2	a) Not applicable b) Not given	a) 18 ppm b) 16 +or- 6 ppm Wet wt	a) Diseased, part of mass kill 6-7/88. Length 93 cm, wt 14 kg b) Controls, length 66 and 69 cm, wt 3.9 and 4.6 kg Florida, Titusville, Indian River and Mosquito Lagoon Lethargy, incoordination, death Elevated serum electrolyte concentrations, edematous gills, excessive mucus secretion GILLS; FLORIDA; ADULTS; METAL POISONING; KIDNEYS; LIVER; ARSENIC; CADMIUM; CHROMIUM; COPPER; MERCURY; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cardeilhac, P.T. Simpson, C.F. White, F.H. Thompson, N.P. Carr, W.E. 1991 Bulletin of Environmental Contamination and Toxicology 27:639-644

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Zinc
7440-66-6
Zn
AtW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 598 C
Drum, red
SCIAENOPS OCELLATA

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2685 Liver		AAS	a) 2 b) 2	a) Not given b) Not given	a) 183 +or- 21 ppm b) 51 +or- 13 ppm Wet wt	a) Diseased, part of mass kill 6-7/80. Length 93 cm, wt 16 kg b) Controls, length 66 and 69 cm, wt 3.9 and 4.6 kg Florida, Titusville, Indian River and Mosquito Lagoon Lethargy, incoordination, death Elevated serum electrolyte concentrations, edematous gills, excessive mucus secretion GILLS; FLORIDA; ADULTS; METAL POISONING; KIDNEYS; LIVER; ARSENIC; CADMIUM; CHROMIUM; COPPER; MERCURY; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cardellhac, P.T. Simpson, C.F. White, F.N. Thompson, N.P. Carr, W.E. 1981 Bulletin of Environmental Contamination and Toxicology 27:63-644

Zinc
7440-66-6
Zn
AtW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 598 C
Duck, mallard
ANAS PLATYRHYNCHOS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2686 Liver		AAS	a) 10 b) 19 c) 10	a) Not given b) Not given c) Not given	a) 119.8 +or- 12.7 mg/kg b) 166.9 +or- 7.9 mg/kg c) 166.2 +or- 21.6 mg/kg Dry wt	a) November b) December c) January Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Zinc
7440-66-6
Zn
AtW 65.38, mp 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 590 C
Duck, tufted
AYTHYA FULIGULA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2487 Liver		AAS	a) 9 b) 5 c) 2	a) Not given b) Not given c) Not given	a) 126.8 +or- 24.9 ug/kg b) 110.6 +or- 13.7 ug/kg c) 156.0 +or- 39.0 ug/kg Dry wt	a) September b) December c) January Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Zinc
7440-66-6
Zn
AtW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 590 C
Mollusk
CRASSOSTREA MARGARITACEA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2488 Body		AAS	10	a) Not given b) Not given	a) 115 +or- 20 ug/g b) 128 +or- 33 ug/g Wet wt	a) Controls b) 100 ug/l for 3 wk South Africa, Knysna Heads MOLLUSKS; BIOACCUMULATION; BIOINDICATORS; WATER POLLUTION; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BODY; SOUTH AFRICA	Watling, H.R. 1983 Bulletin of Environmental Contamination and Toxicology 30:317-322
2489 Body		AAS	10	a) Not given b) Not given	a) 12.6 +or- 3.1 ug/g b) 12.7 +or- 4.3 ug/g Wet wt	a) Controls b) 100 ug/l for 3 wk South Africa, Knysna Heads MOLLUSKS; BIOACCUMULATION; BIOINDICATORS; WATER POLLUTION; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BODY; SOUTH AFRICA	Watling, H.R. 1983 Bulletin of Environmental Contamination and Toxicology 30:317-322

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Zinc
7440-66-6
Zn
AtW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 598 C
Mollusk
CRASSOSTREA MARGARITACEA

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TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2690 Body		AAS	10	a) Not given b) Not given	a) 16.3 +or- 2.5 ug/g b) 15.8 +or- 2.6 ug/g Wet wt	a) Controls b) 100 ug/l for 3 wk South Africa, Cape Town, Bloubergstrand MOLLUSKS; BIOACCUMULATION; BIOINDICATORS; WATER POLLUTION; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BODY; SOUTH AFRICA	Watling, H.R. 1983 Bulletin of Environmental Contamination and Toxicology 30:317-322

Zinc
7440-66-6
Zn
AtW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 598 C
Moorhen
GALLINULA CHLOROPUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2691 Liver		AAS	5	Not given	152.5 ug/kg dry wt	Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Zinc
7440-66-6
Zn
ATW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 590 C
Mussel
MYTILUS EDULIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2492 Body		AAS	a) 20 b) 20 c) 20 d) 20 e) 20 f) 20 g) 20 h) 20 i) 20	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given	a) 69.5 ug b) 112.5 ug c) 128.5 ug d) 126.2 ug e) 89.5 ug f) 100.6 ug g) 99.0 ug h) 92.2 ug i) 132.0 ug	a) 10/23/79, wt 0.467 g b) 11/16/79, wt 0.692 g c) 1/16/80, wt 0.680 g d) 2/11/80, wt 0.626 g e) 3/10/80, wt 0.581 g f) 4/8/80, wt 0.630 g g) 5/7/80, wt 0.616 g h) 6/2/80, wt 0.666 g i) 6/17/80, wt 0.818 g Somatic tissue. Pooled samples Sexually mature population, size 50-60 mm Oregon, Newport, Yaquina Bay MOLLUSKS; GONADS; OREGON; ADULTS; BODY; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; MANGANESE; NICKEL; VANADIUM; ZINC	Latouche, Y.D. Mix, M.C. 1981 Bulletin of Environmental Contamination and Toxicology 27:821-828
2493 Body		AAS	a) 12 b) 12 c) 8	a) Not given b) Not given c) Not given	a) 80 +or- 40 ug/g b) 70 +or- 10 ug/g c) 70 +or- 20 ug/g Dry wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Soft tissue wet wt 2.7-20.4 g Maine MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Heit, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207
2494 Gonads		AAS	a) 20 b) 20 c) 20 d) 20 e) 20 f) 20 g) 20 h) 20 i) 20	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given	a) 6.3 ug b) 6.6 ug c) 8.0 ug d) 11.3 ug e) 9.3 ug f) 10.6 ug g) 5.0 ug h) 6.6 ug i) 11.6 ug	a) 10/23/79, wt 0.154 g b) 11/16/79, wt 0.178 g c) 1/16/80, wt 0.191 g d) 2/11/80, wt 0.151 g e) 3/10/80, wt 0.169 g f) 4/8/80, wt 0.209 g g)5/7/80, wt 0.112 g h) 6/2/80, wt 0.120 g i) 6/17/80, wt 0.258 g Pooled samples Sexually mature population, size 50-60 mm Oregon, Newport, Yaquina Bay MOLLUSKS; GONADS; OREGON; ADULTS; BODY; BIOACCUMULATION; WATER POLLUTION; CADMIUM; COPPER; MANGANESE; NICKEL; VANADIUM; ZINC	Latouche, Y.D. Mix, M.C. 1981 Bulletin of Environmental Contamination and Toxicology 27:821-828

Zinc
7440-66-6
Zn
AEW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 590 C
Mussel, freshwater
ELLIPTIO COMPLANATUS, LAMPSILUS RADIATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2695 Body		AAS	a) Several 100 b) 36	a) Not given b) Not given	a) 433 +or- 102 ug/g b) 355 +or- 104 ug/g Dry wt	a) Homogenized in food processor with stainless-steel blades b) Unhomogenized Soft tissues, mussels wet wt 3-12 g New York, Lake George TELLURIUM; MOLLUSKS; NEW YORK; BODY; MUSCLES; ARSENIC; CADMIUM; CHROMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION; FISHES	Holt, h. Klusek, C.S. 1982 Science of the Total Environment 24:129-134

Zinc
7440-66-6
Zn
AEW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 590 C
Otter, river
LUTRA CANADENSIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2696 Bone		AAS	a) 198 b) 78	a) <0.00-822.93 ug/g b) <0.00-587.05 ug/g Dry wt	a) 179.13 +or- 9.69 ug/g b) 138.71 +or- 14.39 ug/g Dry wt	a) 1979-80 b) 1980-81 Collected during trapping seasons Virginia, Tidewater region OTTERS; CADMIUM; COPPER; LEAD; ZINC; BIOACCUMULATION; WATER POLLUTION; BONES; KIDNEYS; LIVER; VIRGINIA	Anderson-Bledsoe, E.L. Scanlon, P.F. 1983 Bulletin of Environmental Contamination and Toxicology 30:662-667
2697 Kidney		AAS	a) 221 b) 169	a) <0.00-564.36 ug/g b) 21.53-601.59 ug/g Dry wt	a) 78.91 +or- 6.88 ug/g b) 176.23 +or- 9.93 ug/g Dry wt	a) 1979-80 b) 1980-81 Collected during trapping seasons Virginia, Tidewater region OTTERS; CADMIUM; COPPER; LEAD; ZINC; BIOACCUMULATION; WATER POLLUTION; BONES; KIDNEYS; LIVER; VIRGINIA	Anderson-Bledsoe, E.L. Scanlon, P.F. 1983 Bulletin of Environmental Contamination and Toxicology 30:662-667

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Zinc
7440-66-6
Zn
AUW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 590 C
Otter, river
LUTRA CANADENSIS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2050 Liver		AAS	a) 226 b) 131	a) 0.00-235.70 mg/g b) <0.00-683.85 mg/g Dry wt	a) 62.03 +or- 2.17 mg/g b) 154.38 +or- 11.82 mg/g Dry wt	a) 1979-80 b) 1980-81 Collected during trapping seasons Virginia, Tidewater region OTTERS; CADMIUM; COPPER; LEAD; ZINC; BIOACCUMULATION; WATER POLLUTION; BONES; KIDNEYS; LIVER; VIRGINIA	Anderson-Bledsoe, K.L. Scanlon, P.F. 1983 Bulletin of Environmental Contamination and Toxicology 30:462-467

Zinc
7440-66-6
Zn
AUW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 590 C
Oyster
OSTREA EDULIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2499 Body		AAS	20	690-9150 ppm dry wt	1260 ppm dry wt Geometric mean	Collected 10/80 in estuary draining mineralized catchment area Commercial size oysters United Kingdom, Lynher Estuary MOLLUSKS; UNITED KINGDOM; BODY; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION; WATER POLLUTION	Bloom, S. Ackroyd, D.R. Marsh, J.G. Millward, G.E. 1982 Science of the Total Environment 27:235-241
2500 Body		AAS		Not given	821 ug/g wet wt	Collected 12/78 prior to operation of ore refinery. Shucked wet wt 6.9-11.7 g Mississippi, St. Louis Bay (SW) MOLLUSKS; MISSISSIPPI; BODY; ANTIMONY; ARSENIC; BERYLLIUM; CADMIUM; CHROMIUM; COBALT; COPPER; TAON; LEAD; MERCURY; MOLYBDENUM; NICKEL; SELENIUM; STRONTIUM; TITANIUM; VANADIUM; ZINC; BIOACCUMULATION; WATER POLLUTION	Lytle, T.F. Lytle, J.S. 1982 Bulletin of Environmental Contamination and Toxicology 29:50-57

Zinc
7440-66-6
Zn
AtW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 590 C
Oyster, Pacific
CRASSOSTREA GIGAS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	NAMES	MEAN	GENERAL INFORMATION	REFERENCE
2501 Body		AAS	10	a) Not given b) Not given	a) 120 +or- 44 ug/g b) 132 +or- 50 ug/g Wet wt	a) Controls b) 100 ug/l for 3 wk South Africa, Knysna Heads MOLLUSKS; BIOACCUMULATION; BIOINDICATORS; WATER POLLUTION; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BODY; SOUTH AFRICA	Watling, H.R. 1983 Bulletin of Environmental Contamination and Toxicology 30:317-322

Zinc
7440-66-6
Zn
AtW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 590 C
Pintail
ANAS ACUTA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	NAMES	MEAN	GENERAL INFORMATION	REFERENCE
2502 Liver		AAS	a) 1 b) 3 c) 2 d) 23	a) Not applicable b) Not given c) Not given d) Not given	a) 62.0 mg/kg b) 96.7 +or- 16.6 mg/kg c) 138.0 +or- 1.6 mg/kg d) 173.7 +or- 10.6 mg/kg Dry wt	a) September b) October c) December d) January Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Zinc
7440-66-6
Zn
ATW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 598 C
Plover, golden
PLUVIALIS APRICARIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2503 Liver		AAS	4	Not given	132.0 ug/kg dry wt	Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Zinc
7440-66-6
Zn
ATW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 598 C
Rudd
SCARDINIUS ERYTHROPHTHALMUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2504 Gonad		AAS	a) 6 b) 6 c) 6 d) 6 e) 6 f) 6 g) 6	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 120.2 +or- 7.8 ug/g b) 115.3 +or- 12.1 ug/g c) 90.6 +or- 10.8 ug/g d) 170.5 +or- 8.8 ug/g e) 133.5 +or- 10.0 ug/g f) 133.6 +or- 30.0 ug/g g) 122.5 +or- 21.9 ug/g Wet wt	a) Controls b) 1600 ug/l for 24 hr c) 7500 ug/l for 24 hr d) 10,000 ug/l for 24 hr e) 600 ug/l for 3 wk f) After 1979 fish kill g) After 1979 Cu fish kill Operelo, fish length 10-15 cm, wt 20-50 g Belgium, Nesse River 100% mortality at 10,000 ug/l for 6 hr and at 7500 ug/l for 12 hr. All survived 1600 ug/l for 24 hr. GILLS; BELGIUM; METAL POISONING; BONES; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COPPER; ZINC; BIOACCUMULATION; WATER POLLUTION	Van Hoof, F. Van Hoo, M. 1981 Chemosphere 10(10):1127-1135

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Zinc
7440-66-6
Zn
AtW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 598 C
Solid
SCARDINIUS ERYTHROPHTHALMUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2505 Gills		AAS	a) 6 b) 6 c) 6 d) 6 e) 6 f) 6 g) 6	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 67.9 +or- 6.9 ug/g b) 38.6 +or- 25.6 ug/g c) 51.2 +or- 8.8 ug/g d) 667.2 +or- 39.8 ug/g e) 101.3 +or- 21.6 ug/g f) 40.2 +or- 14.5 ug/g g) 62.1 +or- 66.9 ug/g Wet wt	a) Controls b) 1600 ug/l for 24 hr c) 7500 ug/l for 24 hr d) 10,000 ug/l for 24 hr e) 800 ug/l for 3 wk f) After 1979 fish kill g) After 1979 Cu fish kill Length 10-15 cm, wt 20-50 g Belgium, Meuse River 100% mortality at 10,000 ug/l for 4 hr and at 7500 ug/l for 12 hr. All survived 1600 ug/l for 24 hr. GILLS; BELGIUM; METAL POISONING; BONES; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COPPER; ZINC; BIOACCUMULATION; WATER POLLUTION	Van Hoof, F. Van Esa, H. 1981 Chemosphere 10(10):1127-1135
2506 Kidney		AAS	a) 6 b) 6 c) 6 d) 6 e) 6 f) 6 g) 6	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 57.0 +or- 11.1 ug/g b) 154.6 +or- 34.3 ug/g c) 92.2 +or- 18.5 ug/g d) 216.1 +or- 10.7 ug/g e) 151.7 +or- 9.2 ug/g f) 110.7 +or- 62.3 ug/g g) 70.2 +or- 63.0 ug/g Wet wt	a) Controls b) 1600 ug/l for 24 hr c) 7500 ug/l for 24 hr d) 10,000 ug/l for 24 hr e) 800 ug/l for 3 wk f) After 1979 fish kill g) After 1979 Cu fish kill Length 10-15 cm, wt 20-50 g Belgium, Meuse River 100% mortality at 10,000 ug/l for 4 hr and at 7500 ug/l for 12 hr. All survived 1600 ug/l for 24 hr. GILLS; BELGIUM; METAL POISONING; BONES; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COPPER; ZINC; BIOACCUMULATION; WATER POLLUTION	Van Hoof, F. Van Esa, H. 1981 Chemosphere 10(10):1127-1135

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Zinc
7440-66-6
Zn
ALW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 590 C
Rudd
SCARDINIUS ERYTHROPHTHALMUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2587 Liver		AAS	a) 6 b) 6 c) 6 d) 6 e) 6 f) 6 g) 6	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 29.6 +or- 2.9 ug/g b) 62.5 +or- 10.5 ug/g c) 36.1 +or- 10.7 ug/g d) 63.5 +or- 4.3 ug/g e) 104.9 +or- 15.0 ug/g f) 35.6 +or- 8.8 ug/g g) 29.6 +or- 3.8 ug/g Wet wt	a) Controls b) 1600 ug/l for 24 hr c) 7500 ug/l for 24 hr d) 10,000 ug/l for 24 hr e) 800 ug/l for 3 wk f) After 1979 fish kill g) After 1979 Cu fish kill Length 10-15 cm, wt 20-50 g Belgium, Meuse River 100% mortality at 10,000 ug/l for 4 hr and at 7500 ug/l for 12 hr. All survived 1600 ug/l for 24 hr. GILLS; BELGIUM; METAL POISONING; BONES; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COPPER; ZINC; BIOACCUMULATION; WATER POLLUTION	Van Hoof, F. Van Hoe, H. 1981 Chemosphere 10(10):1127-1135
2588 Muscle		AAS	a) 6 b) 6 c) 6 d) 6 e) 6 f) 6 g) 6	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given	a) 16.6 +or- 6.0 ug/g b) 10.5 +or- 2.3 ug/g c) 6.8 +or- 1.6 u/g d) 11.2 +or- 1.3 ug/g e) 22.4 +or- 8.9 ug/g f) 21.9 +or- 6.5 ug/g g) 26.3 +or- 5.7 ug/g Wet wt	a) Controls b) 1600 ug/l for 24 hr c) 7500 ug/l for 24 hr d) 10,000 ug/l for 24 hr e) 800 ug/l for 3 wk f) After 1979 fish kill g) After 1979 Cu fish kill Length 10-15 cm, wt 20-50 g Belgium, Meuse River 100% mortality at 10,000 ug/l for 4 hr and at 7500 ug/l for 12 hr. All survived 1600 ug/l for 24 hr. GILLS; BELGIUM; METAL POISONING; BONES; KIDNEYS; LIVER; MUSCLES; CADMIUM; CHROMIUM; COPPER; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Van Hoof, F. Van Hoe, H. 1981 Chemosphere 10(10):1127-1135

Zinc
7440-66-6
Zn
AEW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 590 C
Sheep
OVIS sp.

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2509 Heart	Ingestion	AAS	21	a) Not given b) Not given c) Not given	a) 103 mg/kg b) 66 mg/kg c) 85 ug/kg Dry wt	a) Fetuses from ewes on Cu-deficient rations (<1 mg/kg of feed) for 9 mo before breeding b) Fetuses from ewes on Cu-supplemented rations (10 mg/kg of feed) for 3 mo before breeding c) Fetuses from ewes on natural diet 130 day old fetuses SHEEP; CANADA; FETUS; NUTRITIONAL DEFICIENCIES; HEART; KIDNEYS; LIVER; LUNGS; SPLEEN; COPPER; IRON; MANGANESE; TRACE ELEMENTS; ZINC; BIOACCUMULATION	Hidiroglou, M. Williams, C.J. 1982 American Journal of Veterinary Research 43(2):310-313
2510 Kidney	Ingestion	AAS	21	a) Not given b) Not given c) Not given	a) 55 mg/kg b) 111 mg/kg c) 68 mg/kg Dry wt	a) Fetuses from ewes on Cu-deficient rations (<1 mg/kg of feed) for 9 mo before breeding b) Fetuses from ewes on Cu-supplemented rations (10 mg/kg of feed) for 3 mo before breeding c) Fetuses from ewes on natural diet 130 day old fetuses SHEEP; CANADA; FETUS; NUTRITIONAL DEFICIENCIES; HEART; KIDNEYS; LIVER; LUNGS; SPLEEN; COPPER; IRON; MANGANESE; TRACE ELEMENTS; ZINC; BIOACCUMULATION	Hidiroglou, M. Williams, C.J. 1982 American Journal of Veterinary Research 43(2):310-313
2511 Liver	Ingestion	AAS	21	a) Not given b) Not given c) Not given	a) 259 mg/kg b) 229 mg/kg c) 431 mg/kg Dry wt	a) Fetuses from ewes on Cu-deficient rations (<1 mg/kg of feed) for 9 mo before breeding b) Fetuses from ewes on Cu-supplemented rations (10 mg/kg of feed) for 3 mo before breeding c) Fetuses from ewes on natural diet 130 day old fetuses SHEEP; CANADA; FETUS; NUTRITIONAL DEFICIENCIES; HEART; KIDNEYS; LIVER; LUNGS; SPLEEN; COPPER; IRON; MANGANESE; TRACE ELEMENTS; ZINC; BIOACCUMULATION	Hidiroglou, M. Williams, C.J. 1982 American Journal of Veterinary Research 43(2):310-313

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Zinc
7440-66-6
Zn
AtW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 598 C
Sheep
OVIS sp.

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2512 Lung	Ingestion	AAS	21	a) Not given b) Not given c) Not given	a) 43 mg/kg b) 53 mg/kg c) 60 mg/kg Dry wt	a) Fetuses from ewes on Cu-deficient rations (<1 mg/kg of feed) for 9 mo before breeding b) Fetuses from ewes on Cu-supplemented rations (10 mg/kg of feed) for 3 mo before breeding c) Fetuses from ewes on natural diet (30 day old fetuses SHEEP; CANADA; FETUS; NUTRITIONAL DEFICIENCIES; HEART; KIDNEYS; LIVER; LUNGS; SPLEEN; COPPER; IRON; MANGANESE; TRACE ELEMENTS; ZINC; BIOACCUMULATION	Hidiroglou, M. Williams, C.J. 1982 American Journal of Veterinary Research 43(2):310-313
2513 Spleen	Ingestion	AAS	21	a) Not given b) Not given c) Not given	a) 71 mg/kg b) 80 mg/kg c) 57 mg/kg Dry wt	a) Fetuses from ewes on Cu-deficient rations (<1 mg/kg of feed) for 9 months before breeding b) Fetuses from ewes on Cu-supplemented rations (10 mg/kg of feed) for 3 months before breeding c) Fetuses from ewes on natural diet (30 day old fetuses SHEEP; CANADA; FETUS; NUTRITIONAL DEFICIENCIES; HEART; KIDNEYS; LIVER; LUNGS; SPLEEN; COPPER; IRON; MANGANESE; TRACE ELEMENTS; ZINC; BIOACCUMULATION	Hidiroglou, M. Williams, C.J. 1982 American Journal of Veterinary Research 43(2):310-313

Zinc
7440-66-6
Zn
AEW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 590 C
Shoveler
ANAS CLYPEATA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2514 Liver		AAS	a) 7 b) 2 c) 4 d) 2 e) 6	a) Not given b) Not given c) Not given d) Not given e) Not given	a) 77.6 +or- 11.6 ug/kg b) 108.0 +or- 5.0 ug/kg c) 107.5 +or- 3.95 ug/kg d) 129.5 +or- 10.5 ug/kg e) 169.0 +or- 17.2 ug/kg Dry wt	a) September b) October c) November d) December e) January Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Zinc
7440-66-6
Zn
AEW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 590 C
Shrimp
PENAEUS SEMISULCATUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2515 Body		AAS	63	25.70-48.04 ug/g wet wt	32.02 ug/g wet wt	Collected 6/81 in sewage outfall area. Mean sediment concentration 22 ug/g Juveniles, wt 2.6-10.7 g Saudi Arabia, Arabian Gulf, AD-Dammam CRUSTACEANS; SAUDI ARABIA; JUVENILES; SEDIMENTS; CADMIUM; CHROMIUM; COBALT; COPPER; LEAD; NICKEL; ZINC; BIOACCUMULATION; WATER POLLUTION; BODY	Sadiq, M. Zaidi, T.H. Bode, A. Khan, A.A. 1982 Bulletin of Environmental Contamination and Toxicology 29:313-319

Zinc
7440-66-6
Zn
AtW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 598 C
Snipe
GALLINAGO GALLINAGO

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2516 Liver		AAS	a) 9 b) 7 c) 6	a) Not given b) Not given c) Not given	a) 186.5 +or- 16.0 mg/kg b) 153.7 +or- 13.3 mg/kg c) 149.3 +or- 39.9 mg/kg Dry wt	a) November b) December c) January Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Zinc
7440-66-6
Zn
AtW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 598 C
Teal
ANAS CRECCA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2517 Liver		AAS	a) 12 b) 25 c) 15	a) Not given b) Not given c) Not given	a) 101.3 +or- 10.7 mg/kg b) 154.0 +or- 7.5 mg/kg c) 177.9 +or- 12.4 mg/kg Dry wt	a) November b) December c) January Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (Series A) 29:317-327

Zinc
7440-66-6
Zn
Atw 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 590 C
Trout, brown
SALMO TRUTTA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2510 Bone		AAS	a) 10 b) 10	a) 222-611 ug/l b) 225-309 ug/l Dry wt	a) 398.7 ug/l b) 269.5 ug/l Dry wt	a) Llyn Peris b) Llyn Padarn Collected 11/74 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-3 yr, length 80-250 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; SINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Coux, I.G. 1982 Environmental Pollution (Series A) 29:101-110
2510 Kidney		AAS	a) 10 b) 10	a) 199-1193 ug/l b) 316-873 ug/l Dry wt	a) 476.8 ug/l b) 550.6 ug/l Dry wt	a) Llyn Peris b) Llyn Padarn Collected 11/74 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-3 yr, length 80-250 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; SINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Coux, I.G. 1982 Environmental Pollution (Series A) 29:101-110
2520 Liver		AAS	a) 10 b) 10	a) 197-379 ug/l b) 169-314 ug/l Dry wt	a) 255.0 ug/l b) 210.4 ug/l Dry wt	a) Llyn Peris b) Llyn Padarn Collected 11/74 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-3 yr, length 80-250 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; SINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Coux, I.G. 1982 Environmental Pollution (Series A) 29:101-110

(NEXT PAGE)

Zinc
7440-66-6
Zn
ACW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 1+ mm Hg at 590 C
Trout, Brown
SALMO TRUTTA

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2521 Muscle		AAS	a) 10 b) 10	a) 36-65 ug/l b) 32-96 ug/l Dry wt	a) 50.7 ug/l b) 54.1 ug/l Dry wt	a) Llyn Peris b) Llyn Padarn Collected 11/76 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-3 yr, length 80-250 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cowx, I.G. 1982 Environmental Pollution (Series A) 29:101-110
2522 Scales		AAS	a) 10 b) 10	a) 259-708 ug/l b) 228-493 ug/l Dry wt	a) 424.4 ug/l b) 306.0 ug/l Dry wt	a) Llyn Peris b) Llyn Padarn Collected 11/76 in adjoining lakes contaminated by mineral deposits and mining activity. Age 1-3 yr, length 80-250 mm United Kingdom, North Wales SCALES; UNITED KINGDOM; BONES; KIDNEYS; LIVER; MUSCLES; COPPER; IRON; MANGANESE; ZINC; BIOACCUMULATION; FISHES; WATER POLLUTION	Cowx, I.G. 1982 Environmental Pollution (Series A) 29:101-110

Zinc
7440-66-6
Zn
AtW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 598 C
Whiting
NONSELECTIVE BIOASSAYS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2523 Liver		AAS	a) 10 b) 10 c) 10	a) Not given b) Not given c) Not given	a) 60 +or- 20 ug/g b) 12 +or- 4 ug/g c) 50 +or- 20 ug/g Dry wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Mean wt 330 g, mean length 36 cm New York Bight, Rockaway Inlet MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Holt, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207
2524 Muscle		AAS	a) 10 b) 10 c) 10	a) Not given b) Not given c) Not given	a) 20 +or- 5 ug/g b) 16 +or- 8 ug/g c) 17 +or- 9 ug/g Dry wt	a) Frozen b) Preserved in 10% buffered formaldehyde c) Preserved in 10% formaldehyde Mean wt 330 g, mean length 36 cm New York Bight, Rockaway Inlet MOLLUSKS; MAINE; TELLURIUM; NEW YORK; BODY; LIVER; MUSCLES; ARSENIC; CADMIUM; COPPER; LEAD; MERCURY; NICKEL; SELENIUM; TIN; VANADIUM; ZINC; BIOACCUMULATION	Klusek, C.S. Holt, M. 1982 Bulletin of Environmental Contamination and Toxicology 28:202-207

Zinc
7440-66-6
Zn
AtW 65.38, MP 419.5 C, BP 908 C, VP 1 mm Hg at 487 C, 10 mm Hg at 590 C
Pigeon
AMAS PENELOPE

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2525 Liver		AAS	a) 2 b) 10 c) 20 d) 20	a) Not given b) Not given c) Not given d) Not given	a) 187.0 +or- 31.0 mg/kg b) 119.8 +or- 2.9 mg/kg c) 155.6 +or- 8.9 mg/kg d) 205.5 +or- 8.3 mg/kg Dry wt	a) October b) November c) December d) January Collected 1971-73 in relatively unpolluted area United Kingdom, Cambridgeshire/Norfolk, Ouse Washes BIRDS; UNITED KINGDOM; LIVER; CADMIUM; COPPER; LEAD; MERCURY; ZINC; BIOACCUMULATION	Parslow, J.L.F. Thomas, G.J. Williams, T.D. 1982 Environmental Pollution (series A) 29:317-327

1-Naphthylamine (0 Cl)
2-Naphthylamine (0 Cl)
134-32-7
C10-H9-N
MW 143.18, MP 50 C, BP 300.8 C, VP 1 mm Hg at 184.3 C
Carp
CYPRINUS CARPIO

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2526 Muscle		GC		a) Not detected b) Not given c) Not detected	a) Not detected b) 10 ppb c) Not detected	a) 1 mile upstream b) 100 yards downstream c) 6 miles downstream Near dyestuff manufacturing plant Fillet composites New York, Buffalo River AMINES; BODY; MUSCLES; MEASUREMENT METHODS; NEW JERSEY; NEW YORK; BIOACCUMULATION; FISHES; INDUSTRIAL EMISSIONS; WATER POLLUTION	Dietenko, G.N. 1979 Environmental Science and Technology 13(3):329-331

1-Naphthylamine (8 CI)
1-Naphthalenamine (9 CI)
134-32-7
C10-H9-N
MW 143.18, MP 50 C, BP 300.8 C, VP 1 mm Hg at 100.3 C
Kinnow

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2527 Body		GC		Not given	40 ppb	Collected near dyestuff manufacturing plant Composite samples New Jersey, Delevare River AMINES; BODY; MUSCLES; MEASUREMENT METHODS; NEW JERSEY; NEW YORK; BIOACCUMULATION; FISHES; INDUSTRIAL EMISSIONS; WATER POLLUTION	Diachenko, G.W. 1979 Environmental Science and Technology 13(3):329-333

1,3,4-Methano-1H-cyclobuta[cd]pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b-undecachlorooctahydro-
39001-14-4
C10-H-Cl11
MW 511.06
Monkey, squirrel

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2528 Adipose	Injection	Radiometry	3	a) Not applicable b) Not applicable c) Not applicable d) Not applicable e) Not applicable f) Not applicable	a) 89 ppm b) 11 ppm c) 61 ppm d) 60 ppm e) 79 ppm f) 36 ppm	a) 16 wk, perirenal fat, 8% of total dose b) 16 wk, skin and subcutaneous fat, 12% of total dose c) 36 wk, perirenal fat, 8% of total dose d) 36 wk, skin and subcutaneous fat, 71% of total dose e) 52 wk, perirenal fat, 12% of total dose f) 52 wk, skin and subcutaneous fat, 42% of total dose Times after 20 mg/kg (20 uCi) C14-photomirex Wt 677-989 g MONKEYS; NERVES; CANADA; ADIPOSE TISSUE; ADRENAL GLANDS; BLADDER; BLOOD; BRAIN; EYE; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; MUSCLES; PANCREAS; SALIVARY GLANDS; SPINAL CORD; SPLEEN; TESTES; THYROID GLANDS; INSECTICIDES; BIOACCUMULATION	Chu, I. Villeneuve, D.C. Yiu, A. 1982 Bulletin of Environmental Contamination and Toxicology 29:634-639

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1,3,6-Methano-1H-cyclobuta[cd]pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b-undecachlorooctahydro-
39001-14-4
C10-H-Cl11
MW 511.96
Monkey, squirrel

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2529 Adrenal gland	Injection	Radiometry	a) 1 b) 1 c) 1	a) Not applicable b) Not applicable c) Not applicable	a) 17 ppm b) 9.0 ppm c) 14 ppm	a) 16 wk, 0.03% of total dose b) 34 wk, 0.016% of total dose c) 52 wk, 0.02% of total dose Time after 20 ug/kg (20 uCi) C14-photomirex Wt 677-989 g MONKEYS; NERVES; CANADA; ADIPOSE TISSUE; ADRENAL GLANDS; BLADDER; BLOOD; BRAIN; EYE; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; MUSCLES; PANCREAS; SALIVARY GLANDS; SPINAL CORD; SPLEEN; TESTES; THYROID GLANDS; CHLORINE ORGANIC COMPOUNDS; INSECTICIDES; BIOACCUMULATION	Cho, I. Villeneuve, D.C. Viau, A. 1982 Bulletin of Environmental Contamination and Toxicology 29:434-439
2530 Bladder	Injection	Radiometry	a) 1 b) 1 c) 1	a) Not applicable b) Not applicable c) Not applicable	a) 1.8 ppm b) 1.3 ppm c) 2.2 ppm	a) 16 wk, 0.006% of total dose b) 34 wk, 0.002% of total dose c) 52 wk, 0.007% of total dose Time after 20 ug/kg (20 uCi) C14-photomirex Wt 677-989 g MONKEYS; NERVES; CANADA; ADIPOSE TISSUE; ADRENAL GLANDS; BLADDER; BLOOD; BRAIN; EYE; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; MUSCLES; PANCREAS; SALIVARY GLANDS; SPINAL CORD; SPLEEN; TESTES; THYROID GLANDS; INSECTICIDES; BIOACCUMULATION	Cho, I. Villeneuve, D.C. Viau, A. 1982 Bulletin of Environmental Contamination and Toxicology 29:434-439
2531 Brain	Injection	Radiometry	3	a) Not applicable b) Not applicable c) Not applicable d) Not applicable e) Not applicable f) Not applicable	a) 1.6 ppm b) 1.2 ppm c) 1.4 ppm d) 1.0 ppm e) 1.2 ppm f) 1.2 ppm	a) 16 wk, cerebrum, 0.19% of total dose b) 16 wk, cerebellum c) 34 wk, cerebrum, 0.013% of total dose d) 34 wk, cerebellum, 0.020% of total dose e) 52 wk, cerebrum, 0.21% of total dose f) 52 wk, cerebellum, 0.02% of total dose Time after 20 ug/kg (20 uCi) C14-photomirex Wt 677-989 g MONKEYS; NERVES; CANADA; ADIPOSE TISSUE; ADRENAL GLANDS; BLADDER; BLOOD; BRAIN; EYE; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; MUSCLES; PANCREAS; SALIVARY GLANDS; SPINAL CORD; SPLEEN; TESTES; THYROID GLANDS; INSECTICIDES; BIOACCUMULATION	Cho, I. Villeneuve, D.C. Viau, A. 1982 Bulletin of Environmental Contamination and Toxicology 29:434-439

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1,3,6-Methano-1H-cyclobuta[cd]pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b-undecachlorooctahydro-
29801-14-6
C10-H-Cl11
MW 517.06
Monkey, squirrel

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2532 Eye	Injection	Radiometry	a) 1 b) 1 c) 1	a) Not applicable b) Not applicable c) Not applicable	a) 0.7 ppm b) 0.3 ppm c) 0.02 ppm	a) 16 wk, 0.014% of total dose b) 30 wk, 0.004% of total dose c) 52 wk, 0.01% of total dose Times after 20 mg/kg (20 uCi) C14-photomicros Wt 677-989 g MONKEYS; NERVES; CANADA; ADIPOSE TISSUE; ADRENAL GLANDS; BLADDER; BLOOD; BRAIN; EYE; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; MUSCLES; PANCREAS; SALIVARY GLANDS; SPINAL CORD; SPLEEN; TESTES; THYROID GLANDS; INSECTICIDES; BIOACCUMULATION	Chu, I. Villeneuve, D.C. Viau, A. 1982 Bulletin of Environmental Contamination and Toxicology 29:434-439
2533 Heart	Injection	Radiometry	a) 1 b) 1 c) 1	a) Not applicable b) Not applicable c) Not applicable	a) 1.6 ppm b) 1.6 ppm c) 1.3 ppm	a) 16 wk, 0.028% of total dose b) 30 wk, 0.028% of total dose c) 52 wk, 0.021% of total dose Times after 20 mg/kg (20 uCi) C14-photomicros Wt 677-989 g MONKEYS; NERVES; CANADA; ADIPOSE TISSUE; ADRENAL GLANDS; BLADDER; BLOOD; BRAIN; EYE; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; MUSCLES; PANCREAS; SALIVARY GLANDS; SPINAL CORD; SPLEEN; TESTES; THYROID GLANDS; CHLORINE ORGANIC COMPOUNDS; INSECTICIDES; BIOACCUMULATION	Chu, I. Villeneuve, D.C. Viau, A. 1982 Bulletin of Environmental Contamination and Toxicology 29:434-439
2534 Intestine	Injection	Radiometry	a) 1 b) 1 c) 1	a) Not applicable b) Not applicable c) Not applicable	a) 3.6 ppm b) 3.5 ppm c) 6.5 ppm	a) 16 wk, 0.09% of total dose b) 30 wk, 0.13% of total dose c) 52 wk, 0.15% of total dose Times after 20 mg/kg (20 uCi) C14-photomicros Wt 677-989 g MONKEYS; NERVES; CANADA; [illegible] TISSUE; ADRENAL GLANDS; BLADDER; BLOOD; BRAIN; EYE; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; MUSCLES; PANCREAS; SALIVARY GLANDS; SPINAL CORD; SPLEEN; TESTES; THYROID GLANDS; INSECTICIDES; BIOACCUMULATION	Chu, I. Villeneuve, D.C. Viau, A. 1982 Bulletin of Environmental Contamination and Toxicology 29:434-439

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1,3,6-Methano-1H-cyclobuta[cd]pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b-undecachlorooctahydro-
39801-14-4
C10-H-Cl11
MW 511.06
Monkey, squirrel

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2535 Kidney		Radiometry	a) 1 b) 1 c) 1	a) Not applicable b) Not applicable c) Not applicable	a) 1.6 ppm b) 0.95 ppm c) 1.6 ppm	a) 16 wk, 0.03% of total dose b) 34 wk, 0.021% of total dose c) 52 wk, 0.038% of total dose Times after 20 mg/kg (20 uCi) C14-photomirex Wt 677-989 g MONKEYS; NERVES; CANADA; ADIPOSE TISSUE; ADRENAL GLANDS; BLADDER; BLOOD; BRAIN; EYE; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; MUSCLES; PANCREAS; SALIVARY GLANDS; SPINAL CORD; SPLEEN; TESTES; THYROID GLANDS; CHLORINE ORGANIC COMPOUNDS; INSECTICIDES; BIOACCUMULATION	Chu, I. Villeneuve, D.C. Viau, A. 1982 Bulletin of Environmental Contamination and Toxicology 29:436-439
2536 Liver	Injection	Radiometry	a) 1 b) 1 c) 1	a) Not applicable b) Not applicable c) Not applicable	a) 19 ppm b) 11 ppm c) 10 ppm	a) 16 wk, 2.1% of total dose b) 34 wk, 1.1% of total dose c) 52 wk, 1.6% of total dose Times after 20 mg/kg (20 uCi) C14-photomirex Wt 677-989 g MONKEYS; NERVES; CANADA; ADIPOSE TISSUE; ADRENAL GLANDS; BLADDER; BLOOD; BRAIN; EYE; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; MUSCLES; PANCREAS; SALIVARY GLANDS; SPINAL CORD; SPLEEN; TESTES; THYROID GLANDS; CHLORINE ORGANIC COMPOUNDS; INSECTICIDES; BIOACCUMULATION	Chu, I. Villeneuve, D.C. Viau, A. 1982 Bulletin of Environmental Contamination and Toxicology 29:436-439
2537 Lung	Injection	Radiometry	a) 1 b) 1 c) 1	a) Not applicable b) Not applicable c) Not applicable	a) 0.66 ppm b) 0.76 ppm c) 0.90 ppm	a) 16 wk, 0.017% of total dose b) 34 wk, 0.027% of total dose c) 52 wk, 0.021% of total dose Times after 20 mg/kg (20 uCi) C14-photomirex Wt 677-989 g MONKEYS; NERVES; CANADA; ADIPOSE TISSUE; ADRENAL GLANDS; BLADDER; BLOOD; BRAIN; EYE; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; MUSCLES; PANCREAS; SALIVARY GLANDS; SPINAL CORD; SPLEEN; TESTES; THYROID GLANDS; CHLORINE ORGANIC COMPOUNDS; INSECTICIDES; BIOACCUMULATION	Chu, I. Villeneuve, D.C. Viau, A. 1982 Bulletin of Environmental Contamination and Toxicology 29:436-439

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1,3,6-Methano-1H-cyclobuta(cd)pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b-undecachlorooctahydro-
39801-14-4
C10-H-Cl11
MW 411.86
Monkey, squirrel

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	TEMPORAL INFORMATION	REFERENCE
2538 Muscle	Injection	Radiometry	a) 1 b) 1 c) 1	a) Not applicable b) Not applicable c) Not applicable	a) 1.5 ppm b) 1.3 ppm c) 0.3 ppm	a) 16 wk, 22% of total dose b) 34 wk, 6.1% of total dose c) 52 wk, 7.8% of total dose Times after 20 mg/kg (20 uCi) C14-photomirex Muscle and bone, wt 677-989 g MONKEYS; NERVES; CANADA; ADIPOSE TISSUE; ADRENAL GLANDS; BLADDER; BLOOD; BRAIN; EYE; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; MUSCLES; PANCREAS; SALIVARY GLANDS; SPINAL CORD; SPLEEN; TESTES; THYROID GLANDS; INSECTICIDES; BIOACCUMULATION	Chu, I. Villeneuve, D.C. Viau, A. 1983 Bulletin of Environmental Contamination and Toxicology 29:430-439
2539 Nerve	Injection	Radiometry	a) 1 b) 1 c) 1	a) Not applicable b) Not applicable c) Not applicable	a) 20 ppm b) 6.7 ppm c) 8.6 ppm	a) 16 wk b) 34 wk c) 52 wk Times after 20 mg/kg (20 uCi) C14-photomirex Sciatic nerve, wt 677-989 g MONKEYS; NERVES; CANADA; ADIPOSE TISSUE; ADRENAL GLANDS; BLADDER; BLOOD; BRAIN; EYE; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; MUSCLES; PANCREAS; SALIVARY GLANDS; SPINAL CORD; SPLEEN; TESTES; THYROID GLANDS; INSECTICIDES; BIOACCUMULATION	Chu, I. Villeneuve, D.C. Viau, A. 1983 Bulletin of Environmental Contamination and Toxicology 29:430-439
2540 Pancreas	Injection	Radiometry	a) 1 b) 1 c) 1	a) Not applicable b) Not applicable c) Not applicable	a) 82 ppm b) 52 ppm c) 56 ppm	a) 16 wk, 3% of total dose b) 34 wk, 0.6% of total dose c) 52 wk, 0.9% of total dose Times after 20 mg/kg (20 uCi) C14-photomirex Wt 677-989 g MONKEYS; NERVES; CANADA; ADIPOSE TISSUE; ADRENAL GLANDS; BLADDER; BLOOD; BRAIN; EYE; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; MUSCLES; PANCREAS; SALIVARY GLANDS; SPINAL CORD; SPLEEN; TESTES; THYROID GLANDS; CHLORINE ORGANIC COMPOUNDS; INSECTICIDES; BIOACCUMULATION	Chu, I. Villeneuve, D.C. Viau, A. 1983 Bulletin of Environmental Contamination and Toxicology 29:430-439

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1,3,4-Methano-1H-cyclobuta(cd)pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b-undecachlorooctahydro-
39801-14-4
C10-H-Cl11
MW 511.66
Monkey, squirrel

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2561 Salivary gland	Injection	Radiometry	a) 1 b) 1	a) Not applicable b) Not applicable	a) 1.4 ppm b) 3.2 ppm	a) 16 wk (wt 875 g) b) 52 wk (wt 969 g) Times after 20 mg/kg (20 uCi) C14-photomirex MONKEYS; NERVES; CANADA; ADIPOSE TISSUE; ADRENAL GLANDS; BLADDER; BLOOD; BRAIN; EYE; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; MUSCLES; PANCREAS; SALIVARY GLANDS; SPINAL CORD; SPLEEN; TESTES; THYROID GLANDS; INSECTICIDES; BIOACCUMULATION	Chu, I. Villeneuve, D.C. Viau, A. 1982 Bulletin of Environmental Contamination and Toxicology 29:436-439
2562 Spinal cord	Injection	Radiometry	a) 1 b) 1 c) 1	a) Not applicable b) Not applicable c) Not applicable	a) 1.9 ppm b) 2.8 ppm c) 1.8 ppm	a) 16 wk b) 36 wk c) 52 wk Times after 20 mg/kg (20 uCi) C14-photomirex Wt 677-989 g MONKEYS; NERVES; CANADA; ADIPOSE TISSUE; ADRENAL GLANDS; BLADDER; BLOOD; BRAIN; EYE; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; MUSCLES; PANCREAS; SALIVARY GLANDS; SPINAL CORD; SPLEEN; TESTES; THYROID GLANDS; INSECTICIDES; BIOACCUMULATION	Chu, I. Villeneuve, D.C. Viau, A. 1982 Bulletin of Environmental Contamination and Toxicology 29:436-439
2563 Spleen	Injection	Radiometry	a) 1 b) 1 c) 1	a) Not applicable b) Not applicable c) Not applicable	a) 0.6 ppm b) 1.0 ppm c) 1.1 ppm	a) 16 wk, 0.003% of total dose b) 36 wk, 0.005% of total dose c) 52 wk, 0.009% of total dose Times after 20 mg/kg (20 uCi) C14-photomirex Wt 677-989 g MONKEYS; NERVES; CANADA; ADIPOSE TISSUE; ADRENAL GLANDS; BLADDER; BLOOD; BRAIN; EYE; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; MUSCLES; PANCREAS; SALIVARY GLANDS; SPINAL CORD; SPLEEN; TESTES; THYROID GLANDS; CHLORIDE ORGANIC COMPOUNDS; INSECTICIDES; BIOACCUMULATION	Chu, I. Villeneuve, D.C. Viau, A. 1982 Bulletin of Environmental Contamination and Toxicology 29:436-439

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1,3,6-Methano-1H-cyclobuta[cd]pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b-undecachlorooctahydro-
39001-14-4
C10-H-Cl11
MW 511.66
Monkey, squirrel

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2544 Testis	Injection	Radiometry	a) 1 b) 1 c) 1	a) Not applicable b) Not applicable c) Not applicable	a) 1.5 ppm b) 1.4 ppm c) 0.66 ppm	a) 16 wk, 0.017% of total dose b) 36 wk, 0.020% of total dose c) 52 wk, 0.036% of total dose Times after 20 mg/kg (30 uCi) C14-photomirex Wt 677-989 g MONKEYS; NERVES; CANADA; ADIPOSE TISSUE; ADRENAL GLANDS; BLADDER; BLOOD; BRAIN; EYE; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; MUSCLES; PANCREAS; SALIVARY GLANDS; SPINAL CORD; SPLEEN; TESTES; THYROID GLANDS; INSECTICIDES; BIOACCUMULATION	Chu, I. Villeneuve, D.C. Viau, A. 1982 Bulletin of Environmental Contamination and Toxicology 29:434-439
2545 Thyroid	Injection	Radiometry	1	Not applicable	5.4 ppm	52 wk after 20 mg/kg (20 uCi) C14-photomirex Wt 989 g MONKEYS; NERVES; CANADA; ADIPOSE TISSUE; ADRENAL GLANDS; BLADDER; BLOOD; BRAIN; EYE; HEART; INTESTINES; KIDNEYS; LIVER; LUNGS; MUSCLES; PANCREAS; SALIVARY GLANDS; SPINAL CORD; SPLEEN; TESTES; THYROID GLANDS; INSECTICIDES; BIOACCUMULATION	Chu, I. Villeneuve, D.C. Viau, A. 1982 Bulletin of Environmental Contamination and Toxicology 29:434-439

1,3,4-Methano-1H-cyclobuta[cd]pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-
2385-85-5
C10-Cl12
MW 545.6, MP 485 C, VP 6X10(E-6) mm Hg at 50 C
Catfish, channel
ICTALURUS PUNCTATUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2546 body	Ingestion	GC-EC	60	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given j) Not given	a) 2.9 ug/kg b) 24.8 ug/kg c) 49.6 ug/kg d) 64.7 ug/kg e) 51.2 ug/kg f) 65.2 ug/kg g) 88.0 ug/kg h) 36.1 ug/kg i) 81.5 ug/kg j) 102.2 ug/kg	a) Controls b) 1 ppm, 1 wk c) 100 ppm, 1 wk d) 400 ppm, 1 wk e) 1 ppm, 2 wk f) 100 ppm, 2 wk g) 400 ppm, 2 wk h) 1 ppm, 4 wk i) 200 ppm, 4 wk j) 800 ppm, 4 wk Dietary levels and exposure times. 6-9 pooled fish/value Fingerlings, length 7-13 cm, wt 25-75 g Few changes in specific activities of lactic dehydrogenase, malic dehydrogenase, glutamic pyruvic transaminase, and glutamic oxaloacetic transaminase JUVENILES; MISSISSIPPI; BODY; BIOACCUMULATION; FISHES; INSECTICIDES	McCorkle, F.M. Chambers, J.E. Yarbrough, J.D. 1979 Environmental Pollution 19:195-199

1,3,5-Trioxino-2,4:1H,3H)-dione, 3-cyclohexyl-6-(dimethylamino)-1-methyl-
51235-04-2
C13-H20-N6-O3
MW 252.3, MP 115-117 C, VP 2E10(E-7) mm Hg at 25 C
Sunfish, bluegill
LEPOMIS MACROCHIRUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2547 Body		Radiometry	a) 7 b) 5 c) 5 d) 5 e) 5 f) 5 g) 5 h) 5 i) 5 j) 5	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given j) Not given	a) 0.01 ppm b) 0.01 ppm c) 0.02 ppm d) 0.02 ppm e) 0.02 ppm f) 1.0 ppm g) 1.3 ppm h) 2.1 ppm i) 2.0 ppm j) 1.0 ppm	a) 3 days b) 1 wk c) 2 wk d) 3 wk e) 6 wk f) 3 days g) 1 wk h) 2 wk i) 3 wk j) 6 wk Exposure times, a)-e) to 0.01 ppm (C14)hexadecane, f)-j) to 1.0 ppm. >90% decrease after 1 wk of depuration, no detectable residues after 2 wk. Pooled samples, fish mean wt 3.4 g, mean length 63 mm DELAWARE; BODY; INTESTINES; LIVER; HERBICIDES; BIOACCUMULATION; FISHES	Rhodes, R.C. 1985 Journal of Agricultural and Food Chemistry 28:306-310
2548 Intestine		Radiometry	a) 5 b) 5 c) 5 d) 5 e) 5 f) 5 g) 5 h) 5 i) 5 j) 5	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given j) Not given	a) 0.06 ppm b) 0.07 ppm c) 0.07 ppm d) 0.06 ppm e) 0.05 ppm f) 2.0 ppm g) 5.3 ppm h) 6.7 ppm i) 5.5 ppm j) 4.6 ppm	a) 3 days b) 1 wk c) 2 wk d) 3 wk e) 6 wk f) 3 days g) 1 wk h) 2 wk i) 3 wk j) 6 wk Exposure times, a)-e) to 0.01 ppm (C14)hexadecane, f)-j) to 1.0 ppm. >90% decrease after 1 wk of depuration, no detectable residues after 2 wk. Pooled samples, fish mean wt 3.4 g, mean length 63 mm DELAWARE; BODY; INTESTINES; LIVER; HERBICIDES; BIOACCUMULATION; FISHES	Rhodes, R.C. 1985 Journal of Agricultural and Food Chemistry 28:306-310

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1,3,5-Trioxino-2,4:10,20)-dioxo, 3-cyclohexyl-6-(dimethylamino)-1-methyl-
51235-09-2
C13-H20-N4-O2
MW 252.3, MP 115-117 C, VP 2E10(E-7) mm Hg at 25 C
Rosfish, bluegill
LEPOMIS MACROCHIRUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2549 Liver		Radiometry	a) 5 b) 5 c) 5 d) 5 e) 5 f) 5 g) 5 h) 5 i) 5 j) 5	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given j) Not given	a) 0.02 ppm b) 0.03 ppm c) 0.03 ppm d) 0.02 ppm e) 0.12 ppm f) 1.3 ppm g) 1.6 ppm h) 5.0 ppm i) 2.7 ppm j) 1.9 ppm	a) 3 days b) 1 wk c) 2 wk d) 3 wk e) 4 wk f) 3 days g) 1 wk h) 2 wk i) 3 wk j) 4 wk Exposure times, a)-e) to 0.01 ppm (C14)hexadecane, f)-j) to 1.0 ppm. >90% decrease after 1 wk of depuration, no detectable residues after 2 wk. Pooled samples, fish mean wt 3.4 g, mean length 63 mm DELAWARE; BODY; INTESTINES; LIVER; HERBICIDES; BIOACCUMULATION; FISHES	Rhodes, R.C. 1980 Journal of Agricultural and Food Chemistry 28:306-310

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, endo,exo- (9 CI)
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4abeta,5alpha,8alpha,8abeta)- (9 CI)
309-00-2
C12-H8-Cl6
MW 365.93, MP 104 C, VP 6E10(E-6) mm Hg at 25 C
Turtle, yellow mud
KINOSTERNON FLAVESCENS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2550 Body			1	Not applicable	4 ppm wet wt	Collected 6/1/74 in a flooded rice field planted 5/9/74 with seed treated with 113 g aldrin/45 kg at 85.6 kg/ha followed by toxaphene application Wt 110.1 g Texas, Brazoria County, Chocolate Bayou Atanis TURTLES; TEXAS; BODY; CHLORINE ORGANIC COMPOUNDS; DIELDRIN; PESTICIDES; BIOACCUMULATION; PESTICIDE RESIDUES	Flickinger, E.L. Hulbert, W.H. 1980 Herpetological Review 11(2):29-30

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,endo- (8 Cl)
2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2abeta,3alpha,6alpha 6abeta,7beta,7aalpha)- (6 Cl)
72-20-8
C12-H8-Cl6-O
MW 380.9, MP 200 C (decomp), also reported as 245 C (decomp)
Duck, mallard
ANAS PLATYRHYNCHOS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2551 Body	Ingestion	GC-EC	a) 1 b) 1	a) Not applicable b) Not applicable	a) 1.9 ppm b) 1.6 ppm Wet wt	a) Skin included b) Skin excluded Carcass. Adults surviving 10 ppm diet for 26 days. No 12-ketoendrin detected Weight loss BIRDS; MARYLAND; ADULTS; BODY; BRAIN; LIVER; CHLORINATED HYDROCARBONS; BIOACCUMULATION; METABOLITES; PESTICIDE RESIDUES	Stickel, W.H. Kaiser, T.E. Reichel, W.L. 1979 Avian and Mammalian Wildlife Toxicology, ASTM STP 693, E.E. Kenaga (Ed.), American Society for Testing and Materials, pp. 61-68
2552 Brain	Ingestion	GC-EC	2	0.56-0.77 ppm wet wt	0.66 ppm wet wt	Adults surviving 10 ppm diet for 26 days. No 12-ketoendrin detected Weight loss BIRDS; MARYLAND; ADULTS; BODY; BRAIN; LIVER; CHLORINATED HYDROCARBONS; BIOACCUMULATION; METABOLITES; PESTICIDE RESIDUES	Stickel, W.H. Kaiser, T.E. Reichel, W.L. 1979 Avian and Mammalian Wildlife Toxicology, ASTM STP 693, E.E. Kenaga (Ed.), American Society for Testing and Materials, pp. 61-68
2553 Liver	Ingestion	GC-EC	2	1.1-1.9 ppm wet wt	1.5 ppm wet wt	Adults surviving 10 ppm diet for 26 days. No 12-ketoendrin detected Weight loss BIRDS; MARYLAND; ADULTS; BODY; BRAIN; LIVER; CHLORINATED HYDROCARBONS; BIOACCUMULATION; METABOLITES; PESTICIDE RESIDUES	Stickel, W.H. Kaiser, T.E. Reichel, W.L. 1979 Avian and Mammalian Wildlife Toxicology, ASTM STP 693, E.E. Kenaga (Ed.), American Society for Testing and Materials, pp. 61-68

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,endo- (8 CI)
2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)- (9 CI)
72-20-8
C12-D0-C16-O
MP 300.9, BP 200 C (decomp), also reported as 245 C (decomp)
Brechin
QUIDCALVS QUIDCULA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2550 Body	Ingestion	GC-EC	8	0.67-1.5 ppm wet wt	1.01 ppm wet wt	Cornea Adults on 10 ppm diet in early June (time of seasonally low body weight), death after 2-7 days. No 2-ketoendrin detected 25% weight loss at time of death BIRDS; MARYLAND; ADULTS; BODY; BRAIN; LIVER; CHLORINATED HYDROCARBONS; BIOACCUMULATION; METABOLITES; PESTICIDE RESIDUES	Stickel, W.H. Belser, T.B. Deichel, W.L. 1979 Avian and Mammalian Wildlife Toxicology, ASTM STP 693, E.E. Kenaga (Ed.), American Society for Testing and Materials, pp. 61-68

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,endo- (8 CI)
2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)- (9 CI)
72-20-8
C12-D0-C16-O
MP 300.9, BP 200 C (decomp), also reported as 245 C (decomp)
Heron, great blue
ARDEA HERODIAS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2555 Brain		GC-EC	a: 1 b: 1	a: Not applicable b: Not applicable	a: 0.06 ppm b: 0.00 ppm Wet wt	a: Minnesota, Stearns County, Bartell, 1972 b: Wisconsin, Fenosha County, Brighton, 1978 Moribund adults Minnesota Wisconsin BIRDS; FLORIDA; ILLINOIS; MINNESOTA; NEBRASKA; NEVADA; NORTH CAROLINA; VIRGINIA; WISCONSIN; ADULTS; BRAIN; BIOACCUMULATION; PESTICIDE RESIDUES; CHLORINE ORGANIC COMPOUNDS; DDD; DDE; DDT; DIELDRIN; POLYCHLORINATED BIPHENYLS	Obendorf, D.E. Swineford, D.E. Locke, L.N. 1979 Proceedings, 1979 Conference of the Colonial Waterbird Group, W.E. Southern (Comp.), pp. 176-85

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,endo- (8 CI)
2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)- (9 CI)
72-20-8
C12-H8-C16-O
MW 380.9, MP 200 C (decomp), also reported as 265 C (decomp)
Pelican, brown
PELECANUS OCCIDENTALIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2556 Eggs		GC-EC	a) 3 b) 12 c) 21 d) 25 e) 30 f) 25	a) 0.08-0.12 ug/g b) 0.11-0.29 ug/g c) 0.03-0.96 ug/g d) Not detected-0.73 ug/g e) 0.29-1.06 ug/g f) Not detected-1.67 ug/g Wet wt	a) 0.10 ug/g b) 0.18 ug/g c) 0.16 ug/g d) 0.30 ug/g e) 0.50 ug/g f) 0.29 ug/g Wet wt Geometric means	a) 1971 b) 1972 c) 1973 d) 1974 e) 1975 f) 1976 Shell thickness means 6.7-13.5% less than pre-1947 Viable and addled eggs from birds transplanted from Florida to Louisiana 1968-76 Louisiana, Barataria Bay BIRDS; EGGS; LOUISIANA; DDD; DDE; DDT; DIELDRIN; CHLORINE ORGANIC COMPOUNDS; HEPTACHLOR EPOXIDE; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Blus, L. Cromartie, E. McMeans, L. Joanen, T. 1979 Bulletin of Environmental Contamination and Toxicology 22:128-135

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,endo- (8 CI)
2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)- (9 CI)
72-20-8
C12-H8-C16-O
MW 380.9, MP 200 C (decomp), also reported as 265 C (decomp)
Pelican, white
PELECANUS ERYTHRORHYNCHOS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2557 Body		GC-EC	1	Not applicable	1.1 ppm wet wt	One of several birds believed killed by endrin, 1976. No 12-ketoendrin detected California, Yule Lake BIRDS; MARYLAND; ADULTS; BODY; BRAIN; LIVER; CHLORINATED HYDROCARBONS; BIOACCUMULATION; METABOLITES; PESTICIDE RESIDUES	Stickel, W.H. Kaiser, T.E. Reichel, W.L. 1979 Avian and Mammalian Wildlife Toxicology, ASTM STP 693, E.E. Kenaga (Ed.), American Society for Testing and Materials, pp. 61-88

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1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,endo- (8 CI)
2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)- (9 CI)
72-20-8
C12-H8-Cl6-O
MP 160.9, BP 200 C (decomp), also reported as 245 C (decomp)
Pellets, white
PELECANUS OCCIDENTALIS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	DOSE	MEAN	GENERAL INFORMATION	REFERENCE
2558 Brain		GC-EC	1	Not applicable	0.76 ppm wet wt	One of several birds believed killed by endrin, 1976. No 12-ketoendrin detected California, Yolo Lake BIRDS; MARYLAND; ADULTS; BODY; BRAIN; LIVER; CHLORINATED HYDROCARBONS; BIOACCUMULATION; METABOLITES; PESTICIDE RESIDUES	Stickel, W.H. Keiser, T.E. Reichel, W.L. 1979 Avian and Mammalian Wildlife Toxicology, ASTM STP 693, E.E. Kenaga (Ed.), American Society for Testing and Materials, pp. 61-68

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,endo- (8 CI)
2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)- (9 CI)
72-20-8
C12-H8-Cl6-O
MP 160.9, BP 200 C (decomp), also reported as 245 C (decomp)
Quail, Japanese
COTURNIX COTURNIX JAPONICA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	DOSE	MEAN	GENERAL INFORMATION	REFERENCE
2559 Body	Ingestion	GC-EC	a) 2 b) 2	a) Not given b) Not given	a) 1.1 ppm b) 1.0 ppm Wet wt	a) Males b) Females Carcas Dead after 2-3 weeks of 50 ppm diet. No 12-ketoendrin detected 50-60% weight loss BIRDS; MARYLAND; ADULTS; BODY; BRAIN; LIVER; CHLORINATED HYDROCARBONS; BIOACCUMULATION; METABOLITES; PESTICIDE RESIDUES	Stickel, W.H. Keiser, T.E. Reichel, W.L. 1979 Avian and Mammalian Wildlife Toxicology, ASTM STP 693, E.E. Kenaga (Ed.), American Society for Testing and Materials, pp. 61-68

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,endo- (8 CI)
2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)- (9 CI)
72-20-8
C12-H8-Cl6-O
MW 380.9, MP 200 C (decomp), also reported as 245 C (decomp)
Turtle, yellow mud
KINOSTERNON FLAVESCENS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2'50 Body			1	Not applicable	1.3 ppm wet wt	Collected 6/1/74 in a flooded rice field planted 5/9/74 with seed treated with 113 g aldrin/45 kg at 45.4 kg/ha followed by toxaphene application Wt 118.1 g Texas, Brazoria County, Chocolate Bayou Ataxia TURTLES; TEXAS; BODY; CHLORINE ORGANIC COMPOUNDS; DIELDRIN; PESTICIDES; BIOACCUMULATION; PESTICIDE RESIDUES	Flickinger, E.L. Mulhern, B.M. 1980 Herpetological Review 11(2):29-30

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI)
2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)
60-57-1
C12-H8-Cl6-O
MW 380.93, MP 176-177 C, VP 7.78X10(E-7) mm Hg at 20 C
Bass, largemouth
MICROPTERUS SALMOIDES

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2161 Body		GC-EC	a: 24 b: 52	a: 15-182 ppb wet wt b: Not given	a: 58 ppb wet wt b: 1.52 ppm lipid wt	a: 1977-78, mean length 225 mm b: 1978, 4% fat Juveniles Iowa (C), Des Moines River JUVENILES; IOWA; BODY; BIOACCUMULATION; WATER POLLUTION; FISHES; DDT; DIELDRIN; INSECTICIDES	Bulkley, R.V. Leung, S.T. Richard, J.J. 1981 Pesticides Monitoring Journal 15(2):86-89

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 Cl)
2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-(a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 Cl)
60-57-1
C12-H8-C16-O
MW 380.93, MP 176-177 C, VP 7.78X10(E-7) mm Hg at 20 C
Wet, gray
NYOTIS ORISSCENE

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2562 Body		GC	a: 10 b: 10	a: 239-1050 ppm b: 560-1182 ppm Lipid wt	a: 650 ppm b: 867 ppm Lipid wt Geometric means	a: 1976, juveniles, mean fat content 6.4% b: 1977, juveniles and adults, mean fat content 3.9% Found dead beneath maternity roost in cave Missouri, Franklin County BATS; JUVENILES; MISSOURI; ADULTS; BODY; BRAIN; BIOACCUMULATION; PESTICIDE RESIDUES; CHLORINE ORGANIC COMPOUNDS; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; NONACHLOR; POLYCHLORINATED BIPHENYLS	Clark, D.R., Jr. LaVal, R.K. Krynitsky, A.J. 1980 Pesticides Monitoring Journal 13(4):137-140
2563 Body		GC-MC	a: 3 b: 3	a: 0.26-27 ppm b: 10-19 ppm Wet wt	a: 16.09 ppm b: 15.67 ppm Wet wt	a: Devil's Tumbo Cave b: Hunter Cave Found dead 7/81. Forearm length 43.1-43.6 mm Missouri, Boone County BATS; DIELDRIN; HEPTACHLOR EPOXIDE; OXYCHLORDANE; BIOACCUMULATION; PESTICIDE RESIDUES; BODY; BRAIN; MISSOURI; ADULTS	Clark, D.R., Jr. Clawson, R.L. Stafford, C.J. 1982 Bulletin of Environmental Contamination and Toxicology 30:214-218
2564 Brain		GC	a: 8 b: 8	a: 5.0-10 ppm b: 4.6-13 ppm Wet wt	a: 7.5 ppm b: 8.6 ppm Wet wt Geometric means	a: 1976, juveniles b: 1977, juveniles and adults Found dead beneath maternity roost in cave Missouri, Franklin County BATS; JUVENILES; MISSOURI; ADULTS; BODY; BRAIN; BIOACCUMULATION; PESTICIDE RESIDUES; CHLORINE ORGANIC COMPOUNDS; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; NONACHLOR; POLYCHLORINATED BIPHENYLS	Clark, D.R., Jr. LaVal, R.K. Krynitsky, A.J. 1983 Pesticides Monitoring Journal 13(4):137-140

(NEXT PAGE)

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI)
2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)
60-57-1
C12-H8-Cl6-O
MW 380.93, MP 176-177 C, VP 7.78E10(E-7) mm Hg at 20 C
Bat, gray
HYOTIS GRISEOCENA

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2565 Brain		GC-EC	a) 4 b) 3	a) Not detected-21 ppm b) 5.6-16 ppm Wet wt	a) 11.3 ppm b) 10.2 ppm Wet wt	a) Devil's Icebox Cave b) Hunter Cave Found dead 7/81. Forearm length 43.1-43.6 mm Missouri, Boone County BATS; DIELDRIN; HEPTACHLOR EPOXIDE; OXYCHLORDANE; BIOACCUMULATION; PESTICIDE RESIDUES; BODY; BRAIN; MISSOURI; ADULTS	Clark, D.R., Jr. Clawson, R.L. Stafford, C.J. 1983 Bulletin of Environmental Contamination and Toxicology 30:214-218

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI)
2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)
60-57-1
C12-H8-Cl6-O
MW 380.93, MP 176-177 C, VP 7.78E10(E-7) mm Hg at 20 C
Canvasback
AYTHYA VALISINERIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2566 Body		GC/MS	a) 29 b) 113	a) Not given b) Not given	a) 0.[illegible]9 >or- 0.03 ppm b) 0.19 >or- 0.03 ppm Wet wt	a) 1973, skinned (7 with residue) b) 1975, plucked (16 with residue) GI tracts, feet, and beaks removed Maryland, Chesapeake Bay BIRDS; MARYLAND; BODY, BONES; KIDNEYS; LIVER; CADMIUM; CHLORINE ORGANIC COMPOUNDS; CHROMIUM; COPPER; DDD; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; LEAD; MERCURY; POLYCHLORINATED BIPHENYLS; SINC; BIOACCUMULATION; PESTICIDE RESIDUES	White, D.H. Stendell, R.C. Mulhern, B.M. 1979 Wilson Bulletin 91(2):279-287

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI)
2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)
60-57-1
C12-H8-Cl6-O
MW 380.93, MP 176-177 C, VP 7.78E10(-7) mm Hg at 20 C
Carp
CYPRINUS CARPIO

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2567 Body		GC-EC	a) 30 b) 91	a) 13-62 ppb wet wt b) Not given	a) 35 ppb wet wt b) 0.78 ppm lipid wt	a) 1977-78, mean length 151 mm b) 1978, 4.56 fat Juveniles Iowa (C), Des Moines River JUVENILES; IOWA; BODY; BIOACCUMULATION; WATER POLLUTION; FISHES; DDT; DIELDRIN; INSECTICIDES	Bulkley, R.V. Leung, K.T. Richard, J.J. 1981 Pesticides Monitoring Journal 15(3):86-89

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI)
2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (8 CI)
60-57-1
C12-H8-Cl6-O
MW 380.93, MP 176-177 C, VP 7.78E10(-7) mm Hg at 20 C
Carpsucker, river
CARPIODES CARPIO

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2568 Body		GC-EC	a) 30 b) 17	a) 7-197 ppb wet wt b) Not given	a) 63 ppb wet wt b) 0.83 ppm lipid wt	a) 1977-78, mean length 178 mm b) 1978, 5.46 fat Juveniles Iowa (C), Des Moines River JUVENILES; IOWA; BODY; BIOACCUMULATION; WATER POLLUTION; FISHES; DDT; DIELDRIN; INSECTICIDES	Bulkley, R.V. Leung, K.T. Richard, J.J. 1981 Pesticides Monitoring Journal 15(2):86-89

1,4,5,8-Dimethanonaphthalene, 1,2,3,6,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI)
2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)
60-57-1
C12-H8-Cl6-O
MW 380.93, MP 176-177 C, VP 7.78E10(-5) mm Hg at 30 C
Catfish, channel
ICYALURUS PUNCTATUS

TISSUE	RESIDUE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2569 Body		GC-EC	a) 17 b) 3	a) 31-260 ppb wet wt b) Not given	a) 110 ppb wet wt b) 1.19 ppm lipid wt	a) 1977-78, mean length 253 mm b) 1978, 8.5% fat Juveniles Iowa (C), Des Moines River JUVENILES: IOWA; BODY; BIOACCUMULATION; WATER POLLUTION; FISHES; DDT; DIELDRIN; INSECTICIDES	Bulkley, R.V. Leung, K.T. Richard, J.J. 1981 Pesticides Monitoring Journal 15(2):86-88
2570 Muscle		GC-EC	a) 9 b) 6 c) 6 d) 3 e) 12 f) 12 g) 12 h) 12 i) 8	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given	a) 33 ppb b) 41 ppb c) 35 ppb d) 44 ppb e) 22 ppb f) 75 ppb g) 133 ppb h) 113 ppb i) 66 ppb Wet wt	a) 6/71 b) 7/71 c) 8/71 d) 9/71 e) 6/73 f) 7/73 g) 8/73 h) 9/73 i) 7/78 1971 and 73 data from previous study. River water concentrations 50 ppt (6/71) and 11 ppt (6/73). Compound banned in 1975 Fish length 231-300 mm Iowa, Boone, Des Moines River COMPARATIVE EVALUATIONS; IOWA; BIOACCUMULATION; FISHES; WATER POLLUTION; DIELDRIN	Leung, K.T. Bulkley, R.V. Richard, J.J. 1981 Pesticides Monitoring Journal 15(2):98-102

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI)
2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)
60-57-1
C12-H8-Cl6-O
MW 380.93, MP 176-177 C, VP 7.78X10(E-7) mm Hg at 20 C
Crappie, white
POMOXIS ANNULARIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2571 Body		GC-EC	a) 23 b) 79	a) 15-301 ppb wet wt b) Not given	a) 60 ppm wet wt b) 2.07 ppm lipid wt	a) 1977-78, mean length 134 mm b) 1976, 2.7% fat Juveniles Iowa (C), Des Moines River JUVENILES; IOWA; BODY; BIOACCUMULATION; WATER POLLUTION; FISHES; DDT; DIELDRIN; INSECTICIDES	Bulkley, R.V. Leung, K.Y. Richard, J.J. 1981 Pesticides Monitoring Journal 15(2):86-89

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI)
2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)
60-57-1
C12-H8-Cl6-O
MW 380.93, MP 176-177 C, VP 7.78X10(E-7) mm Hg at 20 C
Dove, ring
STREPTOPELIA RISORIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2572 Brain	Ingestion	GC-EC	a) 10 b) 6 c) 6 d) 6	a) Not detected b) Not given c) Not given d) Not given	a) Not applicable b) 0.20 +or- 0.02 ppm c) 1.06 +or- 0.06 ppm d) 8.17 +or- 2.62 ppm Wet wt	a) Controls b) 1 ppm c) 4 ppm d) 16 ppm Dietary levels for 8 wk Healthy adults Weight loss Highly significant decrease of dopamine and norepinephrine levels with increasing dieldrin levels. Liver weight increase at 16 ppm BIRDS; MARYLAND; ADULTS; BRAIN; DDE; DIELDRIN; BIOACCUMULATION	Heinz, G.H. Hill, E.F. Contrera, J.F. 1980 Toxicology and Applied Pharmacology 53:75-82

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI)
2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1a alpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)
60-57-1
C12-H8-Cl6-O
MP 300.83, BP 176-177 C, VP 7.78E10(-7) mm Hg at 20 C
Eagle, bald
HALIAEETUS LEUCOCEPHALUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2573 Blood, plasma		GC-EC	a) 6 b) 11 c) 10 d) 10	a) Not detected-0.08 ug/g b) Not detected-0.06 ug/g c) Not detected-0.05 ug/g d) Not detected	a) 0.03 ug/g b) 0.01 ug/g c) 0.01 ug/g d) Not detected	a) Missouri, adults, 1978 b) Missouri, subadults, 1978 c) Colorado, adults, 1977 d) Colorado, subadults, 1977 Residues in eggs estimated from plasma values are 0.15 ug/g for Missouri and 0.05 ug/g for Colorado birds Wintering populations Colorado, San Luis Valley Missouri, Swan Lake National Wildlife Refuge BIRDS; EGGS; COLORADO; MISSOURI; ADULTS; BLOOD PLASMA; DDT; DIELDRIN; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Henny, C.J. Griffin, C.R. Stahlecker, D.W. Hermoto, A.B. Fromartie, E. 1981 Canadian Field-Naturalist 95(3):249-252

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI)
2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)
60-57-1
C12-H8-Cl6-O
MP 300.83, BP 176-177 C, VP 7.78E10(-7) mm Hg at 20 C
Egret, cattle
BUBULCUS IBIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2574 Brain		GC-EC	1	Not applicable	3.6 ppm wet wt	Moribund adult, 1978 Nebraska, Harlan County, Alma BIRDS; FLORIDA; ILLINOIS; MINNESOTA; NEBRASKA; NEVADA; NORTH CAROLINA; VIRGINIA; WISCONSIN; ADULTS; BRAIN; BIOACCUMULATION; PESTICIDE RESIDUES; CHLORINE ORGANIC COMPOUNDS; DDD; DDE; DDT; DIELDRIN; POLYCHLORINATED BIPHENYLS	Obleendorf, D.N. Swineford, D.M. Locke, L.N. 1979 Proceedings, 1979 Conference of the Colonial Waterbird Group, U.S. Southern (Comp.), pp. 176-85

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI)
2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)
60-57-1
C12-H8-C16-O
MW 380.93, MP 176-177 C, VP 7.78X10(E-7) mm Hg at 20 C
Hawk, Swainson's
BUTEO SWAINSONI

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2575 Body		GC-EC	3	Not detected-0.15 ppm wet wt	0.08 ppm wet wt	Nestlings collected 1977/78, 2-3 young/nest Washington (SE), Whitman and Garfield Counties BIRDS; HAWKS; JUVENILES; WASHINGTON; BODY; DDE; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; OXYCHLORDANE; POLYCHLORINATED BIPHENYLS; PESTICIDE RESIDUES; BIOACCUMULATION	Bechard, M. 1981 Bulletin of Environmental Contamination and Toxicology 26:248-253
2576 Eggs		GC-EC	6	Not detected-0.18 ppm wet wt	0.06 ppm wet wt	Addled eggs collected 1977/78, 2-3 eggs/nest Washington (SE), Whitman, Garfield, and Franklin Counties BIRDS; HAWKS; JUVENILES; WASHINGTON; BODY; DDE; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; OXYCHLORDANE; POLYCHLORINATED BIPHENYLS; PESTICIDE RESIDUES; BIOACCUMULATION	Bechard, M. 1981 Bulletin of Environmental Contamination and Toxicology 26:248-253

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI)
2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)
60-57-1
C12-H8-Cl6-O
MW 380.91, MP 176-177 C, VP 7.78X10(-7) mm Hg at 20 C
Heron, great blue
ARDEA HERODIAS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
3377 Brain		GC-EC	a) 1 b) 1 c) 1 d) 1 e) 1 f) 1 g) 1 h) - i)	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given i) Not given	a) 6.6 ppm b) 12.0 ppm c) 14.0 ppm d) 9.2 ppm e) 14.0 ppm f) 6.0 ppm g) 5.1 ppm h) 8.9 ppm i) 5.8 ppm Wet wt	a) Florida, Monroe County, Everglades, 1973 b) Illinois, McHenry County, Harvard, 1977 c) Minnesota, Benton County, St. Cloud, 1973 d) Minnesota, Pope County, Lake Johanna, 1975 e) Minnesota, Stearns County, Cold Springs, 1972 f) Wisconsin, Dane County, Belleville, 1979 g) Virginia, Fairfax County, Mason Neck, 1974 h) Virginia, James City, Jamestown, 1970 i) Virginia, James City, Williamsburg, 1972 Adults, found dead or dying Florida Illinois Minnesota Wisconsin Virginia BIRDS; FLORIDA; ILLINOIS; MINNESOTA; NEBRASKA; NEVADA; NORTH CAROLINA; VIRGINIA; WISCONSIN; ADULTS; BRAIN; BIOACCUMULATION; PESTICIDE RESIDUES; CHLORINE ORGANIC COMPOUNDS; DDD; DDE; DDT; DIELDRIN; POLYCHLORINATED BIPHENYLS	Ohlendorf, H.M. Swineford, D.M. Locke, L.N. 1979 Proceedings, 1979 Conference of the Colonial Waterbird Group, N.E. Southern (Comp.), pp. 176-85

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI)
2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)
60-57-1
C12-H8-Cl6-O
MW 380.93, MP 176-177 C, VP 7.78E10(-7) mm Hg at 20 C
Col, bers
TYPO ALBA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2570 Body	Ingestion	GC-EC	a) 3 b) 3 c) 9 d) 6 e) 12 f) 7 g) 6 h) 5	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given	a) 0.32 +or- 0.25 ppm b) 0.15 +or- 0.12 ppm c) 0.23 +or- 0.16 ppm d) 0.30 +or- 0.16 ppm e) 9.6 +or- 0.17 ppm f) 0.2 +or- 0.12 ppm g) 12.0 +or- 0.13 ppm h) 7.8 +or- 0.20 pp Wet wt Geometric means	a) Controls, male b) Controls, female c) 3 ppm DDE, male d) 3 ppm DDE, female e) 0.5 ppm Dieldrin, male f) 0.5 ppm Dieldrin, female g) 0.3 ppm DDE + 0.5 ppm Dieldrin, male h) 0.3 ppm DDE + 0.5 ppm Dieldrin, female Levels in diet for 2 yr. Experienced (age 1.5-6 yr) and inexperienced (age 5-10 mo) breeders from captive colony. BIRDS; MOSS; MARYLAND; ADULTS; BODY; DDE; DIELDRIN; BIOACCUMULATION	Mendenhall, V.M. Klaas, E.E. McLane, M.A.R. 1983 Archives of Environmental Contamination and Toxicology 12:235-240
2570 Eggs	Ingestion	GC-EC	a) 13 b) 9 c) 8 d) 13 e) 10 f) 13 g) 11 h) 10	a) Not given b) Not given c) Not given d) Not given e) Not given f) Not given g) Not given h) Not given	a) 0.31 +or- 0.061 ppm b) 0.13 +or- 0.033 ppm c) 3.6 +or- 0.26 ppm d) 4.2 +or- 0.041 ppm e) 0.20 +or- 0.67 ppm f) 0.23 +or- 0.025 ppm g) 0.1 +or- 0.036 ppm h) 9.0 +or- 0.050 ppm Wet wt Geometric means	a) Controls, shell thickness (ST) 0.270 mm b) 3 ppm DDE, ST 0.223 mm c) 0.5 ppm Dieldrin, ST 0.269 mm d) 3 ppm DDE + 0.5 ppm Dieldrin, ST 0.220 mm e) Controls, ST 0.280 mm f) 3 ppm DDE, ST 0.207 mm g) 0.5 pp Dieldrin, ST 0.272 mm h) 3 ppm DDE + 0.5 ppm Dieldrin, ST 0.206 mm Levels in diet for 2 yr, a)-d) 1975, d)-h) 1976. 3rd egg of 1st clutch in each yr. Experienced (age 1.5-6 yr) and inexperienced (age 5-10 mo) breeders from captive colony. DDE associated with significant shell thinning, egg breakage, embryo mortality, and reduction of production/pair. Dieldrin associated only with slight shell thinning. BIRDS; MOSS; MARYLAND; ADULTS; BODY; DDE; DIELDRIN; BIOACCUMULATION	Mendenhall, V.M. Klaas, E.E. McLane, M.A.R. 1983 Archives of Environmental Contamination and Toxicology 12:235-240

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI)
2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)
60-57-1
C12-H8-C16-O
Mw 380.93, MP 176-177 C, VP 7.78E10(E-7) mm Hg at 20 C
Owl, screech
OTUS ASIO

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2580 Body	Ingestion	GC-EC	a) 1 b) 1 c) 1 d) 6 e) 6 f) 10 g) 10 h) 2	a) Not applicable b) Not applicable c) Not applicable d) 0.04-0.06 ppm e) 0.02-0.03 ppm f) 0.02-0.05 ppm g) 0.01-0.05 ppm h) 0.07-0.09 ppm Wet wt	a) 0.03 ppm b) 0.07 ppm c) 0.03 ppm d) 0.05 ppm e) 0.02 ppm f) 0.03 ppm g) 0.03 ppm h) 0.08 ppm Wet wt	a) Downy young, control 1977 b) Downy young, dosed 1976 c) Downy young, dosed 1977 d) Fledglings, controls 1976 e) Fledglings, controls 1977 f) Fledglings, dosed 1976 g) Fledglings, dosed 1977 h) Adults, dosed 1977 Hatched by captive birds on 3 ppm Aroclor 1260 diet for 8 wk during 2 breeding seasons No detectable effects on reproduction BIRDS; EGGS; JUVENILES; MARYLAND; ADULTS; BODY; BIOACCUMULATION; PESTICIDE RESIDUES; DDE; DIELDRIN; POLYCHLORINATED BIPHENYLS	McLane, M.A.R. Hughes, D.L. 1980 Archives of Environmental Contamination and Toxicology 9(6):661-665
2581 Eggs	Ingestion	GC-EC	a) 9 b) 9 c) 9 d) 9	a) Not detected-0.06 ppm b) 0.02-0.05 ppm c) Not detected-0.12 ppm d) 0.03-0.10 ppm Wet wt	a) 0.03 ppm b) 0.03 ppm c) 0.05 ppm d) 0.05 ppm Wet wt	a) Controls, 1976 b) Controls, 1977 c) Dosed, 1976 d) Dosed, 1977 3rd eggs of clutches Laid by captive birds on 3 ppm Aroclor 1260 diet for 8 wk during 2 breeding seasons No detectable effects on reproduction BIRDS; EGGS; JUVENILES; MARYLAND; ADULTS; BODY; BIOACCUMULATION; PESTICIDE RESIDUES; DDE; DIELDRIN; POLYCHLORINATED BIPHENYLS	McLane, M.A.R. Hughes, D.L. 1980 Archives of Environmental Contamination and Toxicology 9(6):661-665

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 C3)
2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 C3)
60-57-1
C12-HE-C16-O
MW 380.93, MP 176-177 C, VP 7.78X10(E-7) mm Hg at 20 C
Pelican, Australian
PELECANUS CONSPICILLATUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2582 Adipose		GC-EC	a: 2 b: 1	a: 69.3-520.9 mg/kg b: Not applicable Wet wt	a: 293.5 mg/kg b: 0.88 mg/kg Wet wt	a: Brisbane area b: Gladstone area Collected 1977-79, moribund or dead Australia Emaciation, convulsions, infestation with large number of parasites, botulism in some BIRDS; NUTRITIONAL DEFICIENCIES; ADIPOSE TISSUE; BRAIN; LIVER; AUSTRALIA; DDE; DIELDRIN; BIOACCUMULATION; WATER POLLUTION	McKenzie, R.A. Freudigmann, C.L. Hawkinney, R. Eaves, L.E. Green, P.E. Rees, G.J. 1982 Australian Veterinary Journal 58:148-152
2583 Brain		GC-EC	a: 11 b: 3 c: 1	a: 2.1-27.9 mg/kg b: 0.03-0.23 mg/kg c: Not applicable Wet wt	a: 16.1 mg/kg b: 0.15 mg/kg c: 17.0 mg/kg Wet wt	a: Brisbane area b: Gladstone area c: Rockhampton area Collected 1977-79, moribund or dead Australia Emaciation, convulsions, infestation with large number of parasites, botulism in some BIRDS; NUTRITIONAL DEFICIENCIES; ADIPOSE TISSUE; BRAIN; LIVER; AUSTRALIA; DDE; DIELDRIN; BIOACCUMULATION; WATER POLLUTION	McKenzie, R.A. Freudigmann, C.L. Hawkinney, R. Eaves, L.E. Green, P.E. Rees, G.J. 1982 Australian Veterinary Journal 58:148-152
2584 Liver		GC-EC	a: 11 b: 2 c: 2 d: 1	a: 9.1-91.6 mg/kg b: 0.1-<0.2 mg/kg c: 0.14-<0.2 mg/kg d: Not applicable Wet wt	a: 31.7 mg/kg b: 0.15 mg/kg c: 0.17 mg/kg d: 18.0 mg/kg Wet wt	a: Brisbane area b: Dundaberg area c: Gladstone area d: Rockhampton area Collected 1977-79, moribund or dead Australia Emaciation, convulsions, infestation with large number of parasites, botulism in some BIRDS; NUTRITIONAL DEFICIENCIES; ADIPOSE TISSUE; BRAIN; LIVER; AUSTRALIA; DDE; DIELDRIN; BIOACCUMULATION; WATER POLLUTION	McKenzie, R.A. Freudigmann, C.L. Hawkinney, R. Eaves, L.E. Green, P.E. Rees, G.J. 1982 Australian Veterinary Journal 58:148-152

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI)
2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)
60-57-1
C12-H8-C16-O
MW 380.93, MP 176-177 C, VP 7.78X10(E-7) mm Hg at 20 C
Pelican, brown
PELECANUS OCCIDENTALIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2505 Eggs		GC-EC	a: 3 b: 12 c: 21 d: 25 e: 30 f: 25	a: 0.20-0.56 ug/g b: 0.30-0.79 ug/g c: Not detected-0.31 ug/g d: 0.49-1.61 ug/g e: 0.60-2.25 ug/g f: 0.44-3.03 ug/g Wet wt	a: 0.33 ug/g b: 0.45 ug/g c: 0.44 ug/g d: 0.84 ug/g e: 1.08 ug/g f: 0.96 ug/g Wet wt Geometric means	a: 1971 b: 1972 c: 1973 d: 1974 e: 1975 f: 1976 Shell thickness means 6.7-13.5% less than pre-1947 Viable and addled eggs from birds transplanted from Florida to Louisiana 1968-76 Louisiana, Barataria Bay BIRDS; EGGS; LOUISIANA; DDD; DDE; DDT; DIELDRIN; CHLORINE ORGANIC COMPOUNDS; HEPTACHLOR EPOXIDE; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Blus, L. Cromartie, E. McNease, L. Joanen, T. 1979 Bulletin of Environmental Contamination and Toxicology 22:128-135

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI)
2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)
60-57-1
C12-H8-C16-O
MW 380.93, MP 176-177 C, VP 7.78X10(E-7) mm Hg at 20 C
Seal, harp
PHAGOPHILUS GROENLANDICUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2506 Adipose		GC-EC	a: 11 b: 20	a: 0.010-0.330 ppm b: 0.073-0.170 ppm Wet wt	a: 0.082 ppm b: 0.059 ppm Wet wt	a: Adults, 3/71, Age 1-10 yr b: Pups, 3/73, age < 3 wk Blubber Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	[illegible], S.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):185-192

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1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 Cl)
2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 Cl)
60-57-1
C12-H8-C16-O
MW 380.93, MP 176-177 C, VP 7.78X10(E-7) mm Hg at 20 C
Seal, harp
PHAGOPHILUS GROENLANDICUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2587 Brain		GC-EC	10	0.004-0.010 ppm wet wt	0.007 ppm wet wt	Pups, caught 3/71 Age <2 wk Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Roosevelt, R.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192
2588 Gonads		GC-EC	2	0.002-0.008 ppm wet wt	0.005 ppm wet wt	Pups, caught 3/71 Age <2 wk Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Roosevelt, R.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192
2589 Kidney		GC-EC	10	<0.002-0.012 ppm wet wt	0.005 ppm wet wt	Adults, caught 3/71 Age 1-10 yr Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Roosevelt, R.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192
2590 Liver		GC-EC	a) 10 b) 10	a) <0.002-0.026 ppm b) 0.003-0.009 ppm Wet wt	a) 0.002 ppm b) 0.006 ppm Wet wt	a) Adults, 3/71, age 1-10 yr b) Pups, 3/73, age < 2 wk Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Roosevelt, R.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192
2591 Muscle		GC-EC	10	0.002-0.009 ppm wet wt	0.004 ppm wet wt	Adults, caught 3/71 Age 1-10 yr Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Roosevelt, R.T. Muir, D.C.G. Baker, B.E. 1979 Pesticides Monitoring Journal 12(4):189-192

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1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 Cl)
2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 Cl)
60-57-1
C12-H8-C16-O
MW 380.93, MP 176-177 C, VP 7.78X10(E-7) mm Hg at 20 C
Seal, harp
PHAGOPHILUS GROENLANDICUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2592 Spleen		GC-EC	10	<0.002-0.016 ppm wet wt	0.006 ppm wet wt	Adults, caught 3/71 Age 1-10 yr Canada, Gulf of St. Lawrence SEALS; JUVENILES; GONADS; CANADA; ADULTS; AGE; ADIPOSE TISSUE; BRAIN; KIDNEYS; LIVER; MUSCLES; SPLEEN; BIOACCUMULATION; WATER POLLUTION	Bruesvell, K.T. Fair, D.C.G. Baker, B.B. 1979 Pesticides Monitoring Journal 13(4):189-192

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 Cl)
2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 Cl)
60-57-1
C12-H8-C16-O
MW 380.93, MP 176-177 C, VP 7.78X10(E-7) mm Hg at 20 C
Shad, gizzard
DOROSOMA CEPEDIANUM

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2593 Body		GC-EC	a) 20 b) 104	a) 14-191 ppb wet wt b) Not given	a) 114 ppb wet wt b) 0.48 ppm lipid wt	a) 1977-78, mean length 137 mm b) 1978, 174 fat Juveniles Iowa (C), Des Moines River JUVENILES; IOWA; BODY; BIOACCUMULATION; WATER POLLUTION; FISHES; DDT; DIELDRIN; INSECTICIDES	Bulkley, R.V. Leung, S.Y. Richard, J.J. 1981 Pesticides Monitoring Journal 15(2):88-89

1,4-5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI)
2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)
60-57-1
C12-H8-Cl6-O
MW 380.93, MP 176-177 C, VP 7.78E10(E-7) mm Hg at 20 C
Sparrowhawk
ACCIPITER NISUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2594 Eggs			163	a) Not given b) Not given c) Not given	a) 11.4 ppm b) 12.3 ppm c) 11.3 ppm Lipid wt Geometric means	a) Age 1 yr, eggs from 37 clutches b) Age 3 yr, eggs from 23 clutches c) Age 3+ yr, eggs from 103 clutches Collected 1971-78. Corrected values for concentration differences between years also given United Kingdom, Scotland (R), Annan and Esk River Valley BIRDS; EGGS; SCOTLAND; ASH; DDE; DIELDRIN; POLYCHLORINATED BIPHENYLS; PESTICIDE RESIDUES	Newton, I. Bogan, J. Marquis, M. 1981 Environmental Pollution (Series A) 25:155-160

1,4-5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI)
2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,5,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)
60-57-1
C12-H8-Cl6-O
MW 380.93, MP 176-177 C, VP 7.78E10(E-7) mm Hg at 20 C
Teal, blue-winged
ANAS DISCORS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2595 Body			a) 41 b) 30	a) Not applicable b) Not applicable	a) 0.05 ppm b) 0.11 ppm Wet wt	a) Fall '77, Swan Lake NWR (10 juveniles) and Powderhorn Lake (10 juveniles, 12 adults) before migration to South America, 1 bird with residue b) Spring '78, Powderhorn Lake (3 adults) and San Bernard NWR (5 juveniles, 3 adults) after migration to South America, 1 bird with residue GI tract, skin and beaks removed Wt 273-597 g, 2-34% lipid Missouri, Swan Lake National Wildlife Refuge Texas, Indianola, Powderhorn Lake Texas, San Bernard NWR No significant weight differences among age and sex groups in fall or spring BIRDS; JUVENILES; BIOACCUMULATION; PESTICIDE RESIDUES; DDE; DIELDRIN; BODY; MISSOURI; TEXAS; ADULTS	White, D.H. King, K.A. Mitchell, C.A. Krynitsky, A.J. 1981 Journal of Field Ornithology 52(1):23-30

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 Cl)
2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 Cl)
60-57-1
C12-H8-C16-O
MW 380.93, MP 176-177 C, VP 7.78X10(E-7) mm Hg at 20 C
Turtle, yellow mud
DIMOSTERMON PLAYESCENS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2596 Body			1	Not applicable	47 ppm wet wt	Collected 6/1/74 in a flooded rice field planted 5/9/74 with seed treated with 113 g aldrin/45 kg at 45.4 kg/ha followed by toxaphene application Wt 110.1 g Texas, Brazoria County, Chocolate Bayou Atazia TURTLES; TEXAS; BODY; CHLORINE ORGANIC COMPOUNDS; DIELDRIN; PESTICIDES; BIOACCUMULATION; PESTICIDE RESIDUES	Flickinger, E.L. Mulhern, P.H. 1980 Herpetological Review 11(2):29-30

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 Cl)
2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 Cl)
60-57-1
C12-H8-C16-O
MW 380.93, MP 176-177 C, VP 7.78X10(E-7) mm Hg at 20 C
Walleye
DYISOSTEDION VITREUM

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2597 Body		GC-EC	a: 11 b: 26	a: 7-62 ppb wet wt b: Not given	a: 28 ppb wet wt b: 1.3 ppm lipid wt	a: 1977-78, mean length 232 mm b: 1978, 2% fat Juveniles Iowa (C), Des Moines River JUVENILES; IOWA; BODY; BIOACCUMULATION; WATER POLLUTION; FISHES; DDT; DIELDRIN; INSECTICIDES	Buckley, D.V. Leung, S.T. Richard, J.J. 1981 Pesticides Monitoring Journal 15(2):86-89

2-Naphthalenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo- (8 CI)
2-Naphthalenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, (4S-(4alpha,4aalpha,5aalpha,6beta,12aalpha))- (8 CI)
57-62-5
C22-H23-Cl-N2-O8
MW 470.88, MP 168-169 C
Parrot, yellow-crowned Amazon
AMAZONA OCHROCEPHALA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2598 Blood	Ingestion	Microbiological	a) 10 b) 10 c) 10	a) 0.18-7.7 ug/ml b) 1.6-6.8 ug/ml c) 1.3-6.3 ug/ml	a) 2.6 ug/ml b) 3.1 ug/ml c) 3.2 ug/ml Mean of means	a) 16 b) 1.5% c) 1.75% Levels in pelleted feed for 29 days. Samples collected on days 2, 9, 16, 23, and 29 Healthy birds BIRDS; IOWA; DRUGS; BIOACCUMULATION	Landgraf, W.H. Ross, P.F. Cassidy, D.B. Clubb, S.L. 1991 Avian Diseases 35(1):14-17

9,7-Methano-1H-indene, 1,2,3,4,5,6,7,8,8-nonachloro-2,3,3a,4,7,7a-hexahydro-, (1alpha,2beta,3alpha,3aalpha,4beta,7beta,7aalpha)-
39765-80-5
C10-H5-Cl9
MW 444.23
Rat, gray
MYOTIS GRISESCENS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2599 Body		GC	a) 12 b) 8	a) Not detected-40 ppm b) 81-252 ppm Lipid wt	a) 7.8 ppm b) 159 ppm Lipid wt Geometric means	a) 1976, juveniles, mean fat content 6.4% b) 1977, juveniles and adults, mean fat content 3.9% Found dead beneath maternity roost in cave Missouri, Franklin County BATS; JUVENILES; MISSOURI; ADULTS; BODY; BRAIN; BIOACCUMULATION; PESTICIDE RESIDUES; CHLORINE ORGANIC COMPOUNDS; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; NONACHLOR; POLYCHLORINATED BIPHENYLS	Clark, D.R., Jr. LaVal, R.K. Kryzitsky, A.J. 1986 Pesticides Monitoring Journal 13(4):137-140

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1,4,5,6,7,8,8-nonachloro-2,3,3a,4,7,7a-hexahydro-, (1alpha,2beta,3alpha,3aalpha,4beta,7beta,7aalpha)-
39765-80-5
C10-H5-Cl9
MW 444.23
Rat, gray
MYOMIS GRISESCENS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2600 Brain		GC	a: 12 b: 8	a: Not detected b: Not detected-2.1 ppm Wet wt	a: Not detected b: Not given	a: 1976, juveniles b: 1977, juveniles and adults, 7 with residue Found dead beneath maternity roost in cave Missouri, Franklin County BATS; JUVENILES; MISSOURI; ADULTS; BODY; BRAIN; BIOACCUMULATION; PESTICIDE RESIDUES; CHLORINE ORGANIC COMPOUNDS; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; NONACHLOR; POLYCHLORINATED BIPHENYLS	Clark, D.R., Jr. LaVal, R.K. Erpultsky, A.J. 1980 Pesticides monitoring Journal 13:4):137-140

1,4,5,6,7,8,8-nonachloro-2,3,3a,4,7,7a-hexahydro-, (1alpha,2beta,3alpha,3aalpha,4beta,7beta,7aalpha)-
39765-80-5
C10-H5-Cl9
MW 444.23
Canvasback
AYTHYA VALISINERIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2601 Body		GC/MS	a: 29 b: 113	a: Not detected b: Not given	a: Not detected b: 0.14 +or- 0.01 ppm Wet wt	a: 1973, skinned b: 1975, plucked (1 with residue) GI tracts, feet, and beaks removed Maryland, Chesapeake Bay BIRDS; MARYLAND; BODY; BONES; KIDNEYS; LIVER; CADMIUM; CHLORINE ORGANIC COMPOUNDS; CHROMIUM; COPPER; DDE; DDT; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; LEAD; MERCURY; POLYCHLORINATED BIPHENYLS; ZINC; BIOACCUMULATION; PESTICIDE RESIDUES	White, D.H. Stendell, R.C. Hulburn, H.M. 1979 Wilson Bulletin 91(2):279-287

4,7-Methanoindan, 1,2,4,5,6,7,8,8-octachloro-1,2-epoxy-3a,4,7,7a-tetrahydro- (8 Cl)
2,5-Methano-2H-indeno(1,2-b)oxirene, 1a,2,3,4,5,6a,7,7-octachloro-1a,1b,5,5a,6,6a-hexahydro- (8 Cl)
28680-68-8
C10-H6-C18-O
MW 423.77
Sat. gray
MYOTIS GRISESCENS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2602 Body		GC	a: 12 b: 8	a: 15-19 ppm b: 21-167 ppm Lipid wt	a: 17 ppm b: 68 ppm Lipid wt Geometric means	a: 1976, juveniles, mean fat content 6.0% b: 1977, juveniles and adults, mean fat content 3.9% Found dead beneath maternity roost in cave Missouri, Franklin County BATS; JUVENILES; MISSOURI; ADULTS; BODY; BRAIN; BIOACCUMULATION; PESTICIDE RESIDUES; CHLORINE ORGANIC COMPOUNDS; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; HOMACHLOR; POLYCHLORINATED BIPHENYLS	Clark, D.R., Jr. LaVal, R.K. Krynitsky, A.J. 1980 Pesticides Monitoring Journal 13(4):137-140
2603 Brain		GC	a: 12 b: 8	a: Not detected-1.6 ppm b: Not detected-2.3 ppm Wet wt	a: Not given b: Not given	a: 1976, juveniles, 3 with residue b: 1977, juveniles and adults, 5 with residue Found dead beneath maternity roost in cave Missouri, Franklin County BATS; JUVENILES; MISSOURI; ADULTS; BODY; BRAIN; BIOACCUMULATION; PESTICIDE RESIDUES; CHLORINE ORGANIC COMPOUNDS; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; HOMACHLOR; POLYCHLORINATED BIPHENYLS	Clark, D.R., Jr. LaVal, R.K. Krynitsky, A.J. 1980 Pesticides Monitoring Journal 13(4):137-140
2604 Brain		GC-EC	6	0.67-2.3 ppm	1.12 ppm wet wt	Found dead 7/81. Forearm length 43.1-43.6 mm Missouri, Boone County, Devil's Icebox and Hunter Caves BATS; DIELDRIN; HEPTACHLOR EPOXIDE; OXYCHLORDANE; BIOACCUMULATION; PESTICIDE RESIDUES; BODY; BRAIN; MISSOURI; ADULTS	Clark, D.R., Jr. Clawson, R.L. Stafford, C.J. 1983 Bulletin of Environmental Contamination and Toxicology 30:214-219

2,7-Methanonaphth, 1,2,3,4,5,6,7,8,8-octachloro-1,2-epoxy-2a,3,7,7a-tetrahydro- (8 CI)
2,5-Methano-2H-indeno(1,2-b)oxirene, 1a,2,3,4,5,6a,7,7-octachloro-1a,1b,5,5a,6,6a-hexahydro- (8 CI)
26880-48-8
C10-H4-C18-O
MW 423.77
Convenbach
ATTESTA VALISINERIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2605 Body		GC/MS	a) 20 b) 113	a) Not detected b) Not given	a) Not detected b) 0.12 +or- 0.01 ppm Wet wt	a) 1973, chicks b) 1975, plucked (5 with residue) GI tract, feet, and beaks removed Maryland, Chesapeake Bay BIRDS; MARYLAND; BODY; BONES; KIDNEYS; LIVER; CADMIUM; CHLORINE ORGANIC COMPOUNDS; CHROMIUM; COPPER; DDD; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; LEAD; MERCURY; POLYCHLORINATED BIPHENYLS; ZINC; BIOACCUMULATION; PESTICIDE RESIDUES	White, D.H. Stendell, R.C. Hulbern, E.M. 1979 Wilson Bulletin 91(2):279-287

2,7-Methanonaphth, 1,2,3,4,5,6,7,8,8-octachloro-1,2 epoxy 2a,3,7,7a-tetrahydro- (8 CI)
2,5-Methano-2H-indeno(1,2-b)oxirene, 1a,2,3,4,5,6a, 7-octachloro-1a,1b,5,5a,6,6a-hexahydro- (8 CI)
26880-48-8
C10-H4-C18-O
MW 423.77
Hawk, Swainson s
BUTEO SWAINSONI

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2606 Body		GC-EC	3	Not detected-0.56 ppm wet wt	0.28 ppm wet wt	Nestlings collected 1977/78, 2-3 young/nest Washington (ES), Whitman and Garfield Counties BIRDS; EGGS; JUVENILES; WASHINGTON; BODY; DDE; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; OXYCHLORDANE; POLYCHLORINATED BIPHENYLS; PESTICIDE RESIDUES; BIOACCUMULATION	Bechard, M. 1981 Bulletin of Environmental Contamination and Toxicology 26:248-253

(NEXT PAGE)

2,7-Methanoindan, 1,2,3,4,5,6,7,8,8-octachloro-1,3-epoxy-3a,4,7,7a-tetrahydro- (8 Cl)
3,5-Methano-2H-indeno(1,2-b)oxirene, 1a,2,3,4,5,6a,7,7-octachloro-1a,1b,5,5a,6,6a-hexahydro- (9 Cl)
26880-48-8
C10-H5-Cl8-O
MW 423.77
Hawk, Swainson's
BUTEO SWAINSONI

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2607 Eggs		GC-EC	6	Not detected-0.07 ppm wet wt	0.01 ppm wet wt	Addled eggs collected 1977/78, 2-3 eggs/nest Washington (SE), Whitman, Garfield, and Franklin Counties BIRDS; EGGS; JUVENILES; WASHINGTON; DDT; DDE; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; OXYCHLORDANE; POLYCHLORINATED BIPHENYLS; PESTICIDE RESIDUES; BIOACCUMULATION	Beckard, H. 1981 Bulletin of Environmental Contamination and Toxicology 26:248-251

2,7-Methanoindeno, 1,6,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro- (8 Cl)
2,5-Methano-2H-indeno(1,2-b)oxirene, 2,3,4,5,6,7,7-heptachloro-1a,1b,5,5a,6,6a-hexahydro- (9 Cl)
1024-57-3
C10-H5-Cl7-O
MW 389.32
Bass, largemouth
MICROPTERUS SALMOIDES

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2600 Body		GC-EC	a) 26 b) 52	a) 0-23 ppb wet wt b) Not given	a) 7 ppb wet wt b) 0.2 ppm lipid wt	a) 1977-78, mean length 225 mm b) 1978, 4% fat Juveniles Iowa (C), Des Moines River JUVENILES; IOWA; BODY; BIOACCUMULATION; FISHES; WATER POLLUTION; DDT; DIELDRIN; INSECTICIDES	Bulkley, R.V. Leung, K.T. Richard, J.J. 1981 Pesticides Monitoring Journal 15:2):86-89

4,7-Methanoindan, 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro- (8 Cl)
2,5-Methano-2H-indeno(1,2-b)oxirene, 2,3,4,5,6,7,7-heptachloro-1a,1b,5,5a,6,6a-hexahydro- (9 Cl)
1024-57-3
C10-H5-Cl7-O
MW 389.32
Wat, gray
HYOTIS GRISESCENS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2609 Body		GC	a) 12 b) 8	a) 36-88 ppm b) 204-375 ppm Lipid wt	a) 58 ppm b) 257 ppm Lipid wt Geometric means	a) 1976, juveniles, mean fat content 6.48. b) 1977, juveniles and adults, mean fat content 3.96 Found dead beneath maternity roost in cave Missouri, Franklin County BATS; JUVENILES; MISSOURI; ADULTS; BODY; BRAIN; BIOACCUMULATION; PESTICIDE RESIDUES; CHLORINE ORGANIC COMPOUNDS; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; NONACHLOR; POLYCHLORINATED BIPHENYLS	Clark, D.R., Jr. LaVal, R.K. Krynitsky, A.J. 1980 Pesticides Monitoring Journal 13(4):137-140
2610 Brain		GC	a) 12 b) 8	a) Not detected-1.5 ppm b) 0.65-3.7 ppm Wet wt	a) 0.10 ppm b) 2.4 ppm Wet wt Geometric means	a) 1976, juveniles b) 1977, juveniles and adults Found dead beneath maternity roost in cave Missouri, Franklin County BATS; JUVENILES; MISSOURI; ADULTS; BODY; BRAIN; BIOACCUMULATION; PESTICIDE RESIDUES; CHLORINE ORGANIC COMPOUNDS; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; NONACHLOR; POLYCHLORINATED BIPHENYLS	Clark, D.R., Jr. LaVal, R.K. Krynitsky, A.J. 1980 Pesticides Monitoring Journal 13(4):137-140
2611 Brain		GC-EC	6	1.1-9.6 ppm wet wt	5.03 ppm wet wt	Found dead 7/81. Forearm length 43.1-43.6 cm Missouri, Boone County, Devil's Icebox and Hunter Caves BATS; DIELDRIN; HEPTACHLOR EPOXIDE; OXYCHLORDANE; BIOACCUMULATION; PESTICIDE RESIDUES; BODY; BRAIN; MISSOURI; ADULTS	Clark, D.R., Jr. Clawson, R.L. Stafford, C.J. 1983 Bulletin of Environmental Contamination and Toxicology 30:214-218

4,7-Methanoindan, 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro- (8 Cl)
2,5-Methano-2H-indeno(1,2-b)oxirene, 2,3,4,5,6,7,7-heptachloro-1a,1b,5,5a,6,6a-hexahydro- (9 Cl)
1024-57-3
C10-H5-Cl7-O
MW 389.32
Canvasback
AYTHYA VALISINERIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2612 Body		GC/MS	a: 29 b: 113	a: Not detected b: Not given	a: Not detected b: 0.11 +or- 0.03 ppm Wet wt	a: 1973, skinned b: 1975, plucked (6 with residue) GI tract, feet and beaks removed Maryland, Chesapeake Bay BIRDS; MARYLAND; BODY; BONES; KIDNEYS; LIVER; CADMIUM; CHLORINE ORGANIC COMPOUNDS; CHROMIUM; COPPER; DDD; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; LEAD; MERCURY; POLYCHLORINATED BIPHENYLS; ZINC; BIOACCUMULATION; PESTICIDE RESIDUES	White, D.H. Stendell, R.C. Hulbert, E.M. 1979 Wilson Bulletin 91(2):279-287

4,7-Methanoindan, 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro- (8 Cl)
2,5-Methano-2H-indeno(1,2-b)oxirene, 2,3,4,5,6,7,7-heptachloro-1a,1b,5,5a,6,6a-hexahydro- (9 Cl)
1024-57-3
C10-H5-Cl7-O
MW 389.32
Carp
CYPRINUS CARPIO

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2613 Body		GC-EC	a: 39 b: 91	a: 0-23 ppb wet wt b: Not given	a: 5 ppb wet wt b: 0.13 ppm lipid wt	a: 1977-78, mean length 191 mm b: 1978, 4.5% fat Juveniles Iowa (C), Des Moines River JUVENILES; IOWA; BODY; BIOACCUMULATION; FISHES; WATER POLLUTION; DDT; DIELDRIN; INSECTICIDES	Bulkley, R.V. Leong, K.Y. Richard, J.J. 1981 Pesticides Monitoring Journal 15(2):86-89

2,7-Methanoindeno, 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro- (8 CI)
2,5-Methano-2H-indeno(1,2-b)oxirene, 2,3,4,5,6,7,7-heptachloro-1a,1b,5,5a,6,6a-hexahydro- (9 CI)
1024-57-3
C10-H5-Cl7-O
MW 389.32
Carpsucker, river
CARPIODES CARPIO

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2614 Body		GC-EC	a) 39 b) 72	a) 0-42 ppb wet wt b) Not given	a) 7 ppb b) 3 ppm wet wt	a) 1977-78, mean length 176 mm b) 1978, 5.6% fat Juveniles Iowa (C), Des Moines River JUVENILES; IOWA; BODY; BIOACCUMULATION; FISHES; WATER POLLUTION; DDT; DIELDRIN; INSECTICIDES	Bulkley, R.V. Leung, K.T. Richard, J.J. 1981 Pesticides Monitoring Journal 15(2):86-89

4,7-Methanoindeno, 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro- (8 CI)
2,5-Methano-2H-indeno(1,2-b)oxirene, 2,3,4,5,6,7,7-heptachloro-1a,1b,5,5a,6,6a-hexahydro- (9 CI)
1024-57-3
C10-H5-Cl7-O
MW 389.32
Catfish, channel
ICTALURUS PUNCTATUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2615 Body		GC-EC	a) 17 b) 3	a) 0-42 ppb wet wt b) Not given	a) 16 ppb wet wt b) 0.12 ppm lipid wt	a) 1977-78, mean length 253 mm b) 1978, 8.9% fat Juveniles Iowa (C), Des Moines River JUVENILES; IOWA; BODY; BIOACCUMULATION; FISHES; WATER POLLUTION; DDT; DIELDRIN; INSECTICIDES	Bulkley, R.V. Leung, K.T. Richard, J.J. 1981 Pesticides Monitoring Journal 15(2):86-89

4,7-Methanoindan, 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro- (8 Cl)
2,5-Methano-2H-indeno[1,2-b]oxirene, 2,3,4,5,6,7,7-heptachloro-1a,1b,5,5a,6,6a-hexahydro- (9 Cl)
1024-57-3
C10-H5-Cl7-O
MW 389.32
Crappie, white
POMOXIS ANNULARIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2616 Body		GC-EC	a) 23 b) 79	a) 0-19 ppb wet wt b) Not given	a) 6 ppb wet wt b) 0.3 ppm lipid wt	a) 1977-78, mean length 136 mm b) 1978, 2.7% fat Juveniles Iowa (C), Des Moines River JUVENILES; IOWA; BODY; BIOACCUMULATION; FISHES; WATER POLLUTION; DDT; DIELDRIN; INSECTICIDES	Bulkley, R.V. Leung, K.T. Richard, J.J. 1981 Pesticides Monitoring Journal 15(2):80-89

4,7-Methanoindan, 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro- (8 Cl
2,5-Methano-2H-indeno[1,2-b]oxirene, 2,3,4,5,6,7,7-heptachloro-1a,1b,5,5a,6,6a-hexahydro- (9 Cl)
1024-57-3
C10-H5-Cl7-O
MW 389.32
Hawk, Swainson's
BUTEO SWAINSONI

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2617 Body		GC-EC	2	Not detected-1.55 ppm wet wt	0.78 ppm wet wt	Nestlings collected 1977/78, 2-3 young/nest Washington (SE), Whitman and Garfield Counties BIRDS; DOGS; JUVENILES; WASHINGTON; BODY; DDE; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; OXYCHLORDANE; POLYCHLORINATED BIPHENYLS; PESTICIDE RESIDUES; BIOACCUMULATION	Bechard, M. 1981 Bulletin of Environmental Contamination and Toxicology 26:248-253
2618 Eggs		GC-EC	6	Not detected-0.35 ppm wet wt	0.09 ppm wet wt	Addled eggs collected 1977/78, 2-3 eggs/nest Washington (SE), Whitman, Garfield, and Franklin Counties BIRDS; DOGS; JUVENILES; WASHINGTON; BODY; DDE; DIELDRIN; HEPTACHLOR EPOXIDE; HEXACHLOROBENZENE; OXYCHLORDANE; POLYCHLORINATED BIPHENYLS; PESTICIDE RESIDUES; BIOACCUMULATION	Bechard, M. 1981 Bulletin of Environmental Contamination and Toxicology 26:248-253

4,7-Methanoindan, 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro- (8 CI)
2,5-Methano-2H-indeno(1,2-b)oxirene, 2,3,4,5,6,7,7-heptachloro-1a,1b,5,5a,6,6a-hexahydro- (9 CI)
1024-57-3
C10-H5-Cl7-O
MW 389.32
Pelican, brown
PELECANUS OCCIDENTALIS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2619 Eggs		GC-EC	a) 3 b) 12 c) 21 d) 25 e) 30 f) 25	a) Not detected b) Not detected-0.24 ug/g c) Not detected-0.35 ug/g d) Not detected-0.28 ug/g e) 0.09-0.38 ug/g f) Not detected-0.51 ug/g Wet wt	a) Not detected b) Not given c) 0.15 ug/g d) 0.10 ug/g e) 0.16 ug/g f) 0.17 ug/g Wet wt Geometric means	a) 1971 b) 1972 c) 1973 d) 1974 e) 1975 f) 1976 Shell thickness means 6.7-13.5% less than pre-1947 Viable and addled eggs from birds transplanted from Florida to Louisiana 1968-76 Louisiana, Barataria Bay BIRDS; EGGS; LOUISIANA; DDD; DDE; DDT; DIELDRIN; CHLORINE ORGANIC COMPOUNDS; HEPTACHLOR EPOXIDE; POLYCHLORINATED BIPHENYLS; BIOACCUMULATION	Blus, L. Cromartie, E. McNease, L. Joanen, T. 1979 Bulletin of Environmental Contamination and Toxicology 22:128-135

4,7-Methanoindan, 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro- (8 CI)
2,5-Methano-2H-indeno(1,2-b)oxirene, 2,3,4,5,6,7,7-heptachloro-1a,1b,5,5a,6,6a-hexahydro- (9 CI)
1024-57-3
C10-H5-Cl7-O
MW 389.32
Shad, gizzard
DOROSOMA CEPEDIANUM

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2620 Body		GC-EC	a) 25 b) 104	a) 0-68 ppb wet wt b) Not given	a) 14 ppb wet wt b) 0.08 ppm lipid wt	a) 1977-78, mean length 137 mm b) 1978, 17% fat Juveniles Iowa (C), Des Moines River JUVENILES; IOWA; BODY; BIOACCUMULATION; FISHES; WATER POLLUTION; DDT; DIELDRIN; INSECTICIDES	Bulkley, R.V. Leung, S.T. Richard, J.J. 1981 Pesticides Monitoring Journal 15(2):86-89

4,7-Methanoindan, 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro- (8 CI)
2,5-Methano-2H-indeno[1,2-b]oxirene, 2,3,4,5,6,7,7-heptachloro-1a,1b,5,5a,6,6a-hexahydro- (9 CI)
1024-57-3
C10-H5-Cl7-O
MW 389.32
Halleye
ATHEOSTEDION VITEUM

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2621 Body		GC EC	a) 11 b) 46	a) 0-6 ppb wet wt b) Not given	a) 2 ppb wet wt b) 0.1 ppm lipid wt	a) 1977-7o, mean length 232 mm b) 1978. 26 fat Juveniles Iowa (C), Des Moines River JUVENILES; IOWA; BODY; BIOACCUMULATION; FISHES; WATER POLLUTION; DDT; DIELDRIN; INSECTICIDES	Bulkley, R.V. Leung, K.T. Richard, J.J. 1981 Pesticides Monitoring Journal 15(2):86-89

4,7-Methanoindan, 1alpha,2alpha,3alpha,4beta,5,6,7beta,8,8-nonachloro-3aalpha,4,7,7-aalpha-tetrahydro- (8 CI)
4,7-Methano-1H-indene, 1,2,3,4,5,6,7,8,8-nonachloro-2,3,3a,4,7,7a-hexahydro-(1alpha,2alpha,3alpha,3aalpha,4beta,7aalpha- (9 CI)
5103-73-1
C10-H5-Cl9
MW 444.2
Sat. grey
MYOTIS GRISESCENS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2622 Body		GC	a) 12 b) 8	a) 15-70 ppm b) 42-100 ppm Lipid wt	a) 36 ppm b) 63 ppm Lipid wt Geometric means	a) 1976, juveniles, mean fat content 6.6% b) 1977, juveniles and adults, mean fat content 3.9% Found dead beneath maternity roost in cave Missouri, Franklin County BATS; JUVENILES; MISSOURI; ADULTS; BODY; BRAIN; BIOACCUMULATION; PESTICIDE RESIDUES; CHLORINE ORGANIC COMPOUNDS; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; NONACHLOR; POLYCHLORINATED BIPHENYLS	Clark, D.R., Jr. LaVal, R.K. Erwinkky, A.J. 1982 Pesticides Monitoring Journal 13(4):137-144

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4,7-Methanoindan, 1alpha,2alpha,3alpha,4beta,5,6,7beta,8,8-nonachloro-3aalpha,4,7,7-aalpha-tetrahydro- (8 CI)
4,7-Methano-1H-indene, 1,2,3,4,5,6,7,8,8-nonaculoro-2,3,3a,4,7,7a hexahydr- (1alpha,2alpha,3alpha,3aalpha,4beta,7aalpha- (8 CI)
5103-73-1
C10-H5-C19
MW 444.2
Rat, gray
MYOTIS GRISESCENS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2623 Brain		GC	a: 12 b: 8	a: Not detected-0.86 ppm b: Not detected-1.0 ppm Wet wt	a: Not given b: Not given	a: 1976, juveniles, 7 with residue b: 1977, juveniles and adults, 5 with residue Found dead beneath maternity roost in cave Missouri, Franklin County BATS; JUVENILES; MISSOURI; ADULTS; BODY; BRAIN; BIOACCUMULATION; PESTICIDE RESIDUES; CHLORINE ORGANIC COMPOUNDS; TOE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; NONACHLOR; POLYCHLORINATED BIPHENYLS	Clark, D.R., Jr. LaVal, R.K. Erpultsky, A.J. 1980 Pesticides Monitoring Journal 13:4):137-140

4,7-Methanoindan, 1alpha,2alpha,4beta,5,6,7beta,8,8-octachloro-3aalpha,4,7,7aalpha-tetrahydro (8 CI)
4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-, (1alpha,2alpha,3aalpha,4beta,7beta,7aalpha)- (8 CI)
5103-71-9
C10-H6-C18
MW 409.76
Canvasback
AYTHYA VALISINERIA

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2624 Body		GC/MS	a: 29 b: 113	a: Not detected b: Not given	a: Not detected b: 0.19 +or- 0.01 ppm Wet wt	a: 1973, skinned b: 1975, plucked (9 with residue) GI tracts, feet, and beaks removed Maryland, Chesapeake Bay BIRDS; MARYLAND; BODY; BONES; KIDNEYS; LIVER; CADMIUM; CHLORINE ORGANIC COMPOUNDS; CHROMIUM; COPPER; DDD; DDE; DDT; DIELDRIN; HEPTACHLOR EPOXIDE; NEMATOLOBOSPERMS; LEAD; MERCURY; POLYCHLORINATED BIPHENYLS; ZINC; BIOACCUMULATION; PESTICIDE RESIDUES	White, D.H. Stendell, R.C. Hulbero, E.H. 1979 Wilson Bulletin 91(2):279-287

5-Norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro-, cyclic sulfite (8 CI)
6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide (9 CI)
115-29-7
C9-H6-Cl6-O3-S
MW 406.95, MP 106 C, VP (210(8-5) mm Hg at 25 C
Catfish, freshwater
HETEROPNEUSTES FOSSILIS, MYSTUS CAVASIUS, MYSTUS VITTATUS

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2625 Kidney		Colorimetry	a) 10 b) 10 c) 10	a) Not given b) Not given c) Not given	a) 1.5 ug/g b) 1.4 ug/g c) 3.6 ug/g Wet wt	a) HETEROPNEUSTES FOSSILIS, length 14 cm, wt 21 g b) MYSTUS CAVASIUS, length 6.5 cm, wt 4 g c) MYSTUS VITTATUS, length 6 cm, wt 3.5 g Exposed continuously to 2 ug/hr for 96 hr. Endosulfan sulfate principal metabolite India (8), Nagarjunasagar INDIA; KIDNEYS; LIVER; MUSCLES; CHLORINE ORGANIC COMPOUNDS; INSECTICIDES; BIOACCUMULATION; FISHES; METABOLITES; PESTICIDE RESIDUES	Rao, D.M.R. Murty, A.S. 1992 Environmental Pollution (Series A) 27:223-231
2626 Liver		Colorimetry	a) 10 b) 10 c) 10	a) Not given b) Not given c) Not given	a) 6.7 ug/g b) 2.6 ug/g c) 2.9 ug/g Wet wt	a) HETEROPNEUSTES FOSSILIS, length 14 cm, wt 21 g b) MYSTUS CAVASIUS, length 6.5 cm, wt 4 g c) MYSTUS VITTATUS, length 6 cm, wt 3.5 g Exposed continuously to 2 ug/hr for 96 hr. Endosulfan sulfate principal metabolite India (8), Nagarjunasagar INDIA; KIDNEYS; LIVER; MUSCLES; CHLORINE ORGANIC COMPOUNDS; INSECTICIDES; BIOACCUMULATION; FISHES; METABOLITES; PESTICIDE RESIDUES	Rao, D.M.R. Murty, A.S. 1992 Environmental Pollution (Series A) 27:223-231

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5-Norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro-, cyclic sulfite (8 CI)
6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide (9 CI)
115-29-7
C9-H6-Cl6-O3-S
MW 406.95, MP 106 C, VP 1X10(E-5) mm Hg at 25 C
Catfish, freshwater
HETEROPNEUSTES FOSSILIS, MYSTUS CAVASIUS, MYSTUS VITTATUS

(CONTINUED)

TISSUE	EXPOSURE ROUTE	ANALYTICAL METHOD	NUMBER OF CASES	RANGE	MEAN	GENERAL INFORMATION	REFERENCE
2627 Muscle		Colorimetry	a) 10 b) 10 c) 10	a) Not given b) Not given c) Not given	a) 3.0 ug/g b) 2.1 ug/g c) 3.2 ug/g Wet wt	a) HETEROPNEUSTES FOSSILIS, length 16 cm, wt 21 g b) MYSTUS CAVASIUS, length 6.5 cm, wt 7 g c) MYSTUS VITTATUS, length 8 cm, wt 3.5 g Exposed continuously to 2 ug/hr for 96 hr. Endosulfan sulfate principal metabolite India (8), Nagarjunasagar INDIA; KIDNEYS; LIVER; MUSCLES; CHLORINE ORGANIC COMPOUNDS; INSECTICIDES; BIOACCUMULATION; FISHES; METABOLITES; PESTICIDE RESIDUES	Rao, D.M.R. Murty, A.S. 1982 Environmental Pollution (Series A) 27:323-331

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APPENDIX A

JOURNALS SEARCHED

Acta Pharmacologica and Toxicologica
Advances in Veterinary Science and Comparative Medicine
Agricultural and Food Chemistry, Journal of
Ambio
American Journal of Physiology
American Journal of Veterinary Research
American Veterinary Medical Association, Journal of the
Animal Ecology, Journal of
Animal Science, Journal of
Aquaculture
Archives of Environmental Contamination and Toxicology
Archives of Environmental Health
Archives of Toxicology
Australian Veterinary Journal
Avian Diseases
Bovine Practice
British Veterinary Journal
Bulletin of Environmental Contamination and Toxicology
Canadian Journal of Animal Science
Canadian Veterinary Journal
Chemosphere
Comparative Pathology, Journal of
Ecotoxicology and Environmental Safety
Environmental Health Perspectives
Environmental Pollution, Series A (Ecological & Biological)
Environmental Research
Environmental Science and Health, Journal of
Environmental Science and Technology
Fish Diseases, Journal of
Food and Cosmetics Toxicoloy
International Journal of Environmental Studies
Nature
Nutrition, Journal of
Pesticides Monitoring Journal
Residue Reviews
Science
Science of Food and Agriculture, Journal of
Science of the Total Environment
Toxicology and Applied Pharmacology
Toxicology and Environmental Health, Journal of
Tropical Animal Health and Production
Veterinary Clinical Pathology
Wildlife Diseases, Journal of
Wildlife Society Bulletin
Xenobiotica

APPENDIX B

CAS PREFERRED NAMES

Acetic acid, (2,4,5-trichlorophenoxy)-

Anisole, 2,3,4,5,6-pentachloro- (8 CI); Benzene, pentachloromethoxy- (9 CI)

Antimony

Arochlor 1016

Arochlor 1242 (No postings in CHEMLINE).

Arochlor 1254

Arochlor 1260

Arsenic

Benz(a)anthracene

Benzamide, N-(((4-chlorophenyl)amino)carbonyl-2,6-difluoro-

Benzene, hexachloro-

Benzeneacetic acid, 4-chloro-alpha-(1-methylethyl)-, cyano(3-phenoxyphenyl)methyl ester

Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

Benzidine, dichloro- (8 CI); (1,1'-Biphenyl)-4,4'-diamine, dichloro- (9 CI)

Benzo(a)pyrene

Benzylamine, N-ethyl-N-phenyl- (8 CI); Benzenemethanamine, N-ethyl-N-phenyl- (9CI)

Beryllium

Biphenyl, chloro (8 CI); 1,1'-Biphenyl, chloro derivs (9 CI)

Boron

Cadmium

Caffeine (8 CI); 1H-Purine-2,6-dione, 3,7-dihydro-1,3,7-trimethyl- (9 CI)

Carbamic acid, methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester (8 CI); 7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate (9 CI)

Cesium, isotope of mass 137

Chlordane

Chloroform (8 CI); Methane, trichloro- (9 CI)

Chromium

Cobalt

Copper

Creosote

Cyclohexane, 1,2,3,4,5,6-hexachloro-, alpha- (8 CI); Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1alpha, 2alpha,3beta,4alpha,5beta,6beta)- (9 CI)

Cyclohexane, 1,2,3,4,5,6-hexachloro-, beta- (8 CI); Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1alpha, 2beta,3alpha,4beta,5alpha,6beta)- (9 CI)

Cyclohexane, 1,2,3,4,5,6-hexachloro-, delta- (8 CI); Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1alpha, 2alpha,3alpha,4beta,5alpha,6beta)- (9 CI)

Cyclohexane, 1,2,3,4,5,6-hexachloro-, gamma- (8 CI); Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1alpha, 2alpha,3beta,4alpha,5alpha,6beta)- (9 CI)

Cyclopenta(c)furo(3',2':4,5)furo(2,3-h)(1)benzopyran-1,11-dione, 2,3,6a,9a-tetrahydro-9a-hydroxy-4-methoxy-, (6aR-cis)-

Cyclopenta(c)furo(3',2':4,5)furo(2,3-h)(1)benzopyran-1,11-dione, 2,3,6aalpha,9aalpha-tetrahydro-4-methoxy- (8 CI); Cyclopenta(c)furo(3',2':4,5)furo(2,3-h)(1)benzopyran-1,11-dione, 2,3,6a,9a-tetrahydro-4-methoxy-, (6aR-cis)- (9 CI)

Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methyl ester

DDT, total (No postings in CHEMLINE).

Dibenzo(b,e)(1,4)dioxin, heptachloro-

Dibenzo(b,e)(1,4)dioxin, hexachloro-

Dibenzo-p-dioxin, octachloro- (8 CI); Dibenzo(b,e)(1,4)dioxin, octachloro- (9 CI)

Dibenzo-p-dioxin, 2,3,7,8-tetrachloro- (8 CI); Dibenzo(b,e)(1,4)dioxin, 2,3,7,8-tetrachloro- (9 CI)

Dodecane

Dodecane, 1-cyclohexyl- (8 CI); Cyclohexane, dodecyl- (9 CI)

Eicosane

Estr-4-en-3-one, 17-hydroxy-7,17-dimethyl-, (7alpha,17beta)-

Ethane, 1,1-dichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)- (8 CI); Benzene, 1-chloro-2-(2,2-dichloro-1-(4-chlorophenyl)ethyl)- (9 CI)

Ethane, 1,1-dichloro-2,2-bis(p-chlorphenyl)- (8 CI); Benzene, 1,1'-(2,2-dichloroethylidene)bis(4-chloro- (9 CI)

Ethane, 1,1,1-trichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)- (8 CI); Benzene, 1-chloro-2-(2,2,2-trichloro-1-(4-chlorophenyl)ethyl)- (9 CI)

Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene) bis(4-chloro- (9 CI)

Ethylene, tetrachloro- (8 CI); Ethene, tetrachloro- (9 CI)

Ethylene, trichloro- (8 CI); Ethene, trichloro- (9 CI)

Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)

Fluorene (8 CI); 9H-Fluorene (9 CI)

Fluorine

Gallium

Gentamicin

Heptadecane

Hexadecane

Hexadecane, 2,6,10,14-tetramethyl-

Iodine

Iron

Lead

Lead, isotope of mass 210

m-Toluidine, N-benzyl-N-ethyl- (8 CI); Benzenemethanamine, N-ethyl-N-(3-methylphenyl)- (9 CI)

Manganese

Mercury

Mercury(1+), methyl-, ion (8 CI); Mercury(1+), methyl- (9 CI)

Methane, bromodichloro-

Methionine, DL- (8 CI); DL-Methionine (9 CI)

Molybdenum

Naphthalene

Naphthalene, decahydro-, trans-

Naphthalene, methyl-

Naphthalene, 1,2,3,4-tetrahydro-

Naphthalene, 1,3,5-trimethyl-

Naphthalene, 1,5-dimethyl-

Naphthalene, 2-ethyl-

Nickel

Nonadecane

Nonane, 1-cyclohexyl- (8 CI); Cyclohexane, nonyl- (9 CI)

Octadecane

Octane, 1-cyclohexyl- (8 CI); Cyclohexane, octyl- (9 CI)

Octanohydroxamic acid (8 CI); Octanamide, N-hydroxy- (9 CI)

p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI); Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI)

Pentadecane

Pentadecane, 2,6,10,14-tetramethyl-

Phenanthrene

Phenol

Phenol, pentachloro-

Phenol, 2,2'-methylenebis(3,4,6-trichloro-

Phosphonic acid, methyl-, diisopropyl ester (8 CI); Phosphonic acid, methyl-, bis(1-methylethyl) ester (9 CI)

Phosphonodithioic acid, ethyl-, O-ethyl S-phenyl ester

Phosphoramidic acid, methyl-, 4-tert-butyl-2-chlorophenyl methyl ester (8 CI); Phosphoramidic acid, methyl-, 2-chloro-4-(1,1-dimethylethyl)phenyl methyl ester (9 CI)

Phosphoramidothioic acid, acetyl-, O,S-dimethyl ester

Phosphorothioic acid, O,O-dimethyl O-(4-methylthio)-m-tolyl ester (8 CI); Phosphorothioic acid, O,O-dimethyl O-(3-methyl-4-(methylthio)phenyl) ester (9 CI)

Phosphorothioic acid, O,O-dimethyl O-(4-nitro-m-tolyl) ester (8 CI); Phosphorothioic acid, O,O-dimethyl O-(3-methyl-4-nitrophenyl) ester (9 CI)

Phthalic acid, bis(2-ethylhexyl) ester (8 CI); 1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester (9 CI)

Phthalic acid, dibutyl ester (8 CI); 1,2-Benzenedicarboxylic acid, dibutyl ester (9 CI)

Phthalic acid, dimethyl ester (8 CI); 1,2-Benzenedicarboxylic acid, dimethyl ester (9 CI)

Polonium, isotope of mass 210

Polybrominated biphenyls (No postings in CHEMLINE).

Polychlorinated dibenzofurans (No postings in CHEMLINE).

Polychlorinated naphthalenes (No postings in CHEMLINE).

Pyrene

Pyrene, methyl-

Pyridine, 4-amino- (8 CI); 4-Pyridinamine (9 CI)

Quinidine (8 CI); Cinchonan-9-ol, 6'-methoxy-, (9S)- (9 CI)

Radium, isotope of mass 226

Selenium

Silicon

Silver

Strontium

Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Tellurium

Tetradecane

Thallium

Thiocyanic acid, ion(1-) (8 CI); Thiocyanate (9 CI)

Thorium, isotope of mass 230

Tin

Titanium

Tocopherol

Toluene (8 CI); Benzene, methyl- (9 CI)

Toxaphene

Tridecane

Uranium

Urea, 3-(3,4-dichlorophenyl)-1,1-dimethyl- (8 CI); Urea, N'-(3,4-dichlorophenyl)-N,N-dimethyl- (9 CI)

Vanadium

Zinc

1-Naphthylamine (8 CI); 1-Naphthalenamine (9 CI)

1,3,4-Metheno-1H-cyclobuta(cd)pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b-undecachlorooctahydro-

1,3,4-Metheno-1H-cyclobuta(cd)pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-

1,3,4-Metheno-2H-cyclobuta(cd)pentalen-2-one, 1,1a,3,3a,4,5,5,5a,5b,6-decachlorooctahydro-

1,3,5-Triazine-2,4(1H,3H)-dione, 3-cyclohexyl-6-(dimethylamino)-1-methyl-

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, endo,exo- (8 CI); 1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4abeta,5alpha,8alpha,8abeta)- (9 CI)

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo, endo- (8 CI); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)- (9 CI)

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo, exo- (8 CI); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)

1H,12H-Furo(3',2':4,5)furo(2,3-h)pyrano(3,4-c)(1)benzopyran-1,12-dione, 3,4,7a,10a-tetrahydro-5-methoxy-, (7aR-cis)-

2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo- (8 CI); 2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, (4S-(4alpha,4aalpha,5aalpha,6beta,12aalpha))- (9 CI)

4,7-Methano-1H-indene, 1,2,3,4,5,6,7,8,8-nonachloro-2,3,3a,4,7,7a-hexahydro-, (1alpha,2beta,3alpha,3aalpha,4beta,7beta,7aalpha)-

4,7-Methanoindan, 1,2,4,5,6,7,8,8-octachloro-1,2-epoxy-3a,4,7,7a-tetrahydro- (8 CI); 2,5-Methano-2H-indeno(1,2-b)oxirene, 1a,2,3,4,5,6a,7,7-octachloro-1a,1b,5,5a,6,6a-hexahydro- (9 CI)

4,7-Methanoindan, 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro- (8 CI); 2,5-Methano-2H-indeno(1,2-b)oxirene, 2,3,4,5,6,7,7-heptachloro-1a,1b,5,5a,6,6a-hexahydro- (9 CI)

4,7-Methanoindan, 1alpha,2alpha,3alpha,4beta,5,6,7beta,8,8-nonachloro-3aalpha,4,7,7-aalpha-tetrahydro- (8 CI); 4,7-Methano-1H-indene, 1,2,3,4,5,6,7,8,8-nonachloro-2,3,3a,4,7,7a-hexahydro-(1alpha,2alpha,3alpha,3aalpha,4beta,7aalpha- (9 CI)

4,7-Methanoindan, 1alpha,2alpha,4beta,5,6,7beta,8,8-octachloro-3aalpha,4,7,7aalpha-tetrahydro (8 CI); 4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-, (1alpha,2alpha,3aalpha,4beta,7beta,7aalpha)- (9 CI)

4,7-Methanoindan, 1beta,2alpha,4alpha,5,6,7alpha,8,8-octachloro-3abeta,4,7,7abeta-tetrahydro- (8 CI); 4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-, (1alpha,2beta,3aalpha,4beta,7beta,7aalpha)- (9 CI)

4,7-Methanoindene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro- (8 CI); 4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro- (9 CI)

4,7-Methanoindene, 3a,4,7,7a-tetrahydro- (8 CI); 4,7-Methano-1H-indene, 3a,4,7,7a-tetrahydro- (9 CI)

5-Norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro-, cyclic sulfite (8 CI); 6,9-Methano-2,4,3-benzodioxathiepan, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide (9 CI)

APPENDIX C

CHEMICALS (1983)

CAS Registry Numbers and Preferred Names

50-29-3
DDT, total (No postings in CHEMLINE).

Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene) bis(4-chloro- (9 CI)

50-32-8
Benzo(a)pyrene

57-62-5
2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12, 12a-pentahydroxy-6-methyl-1,11-dioxo- (8 CI); 2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, (4S-(4alpha,4aalpha,5aalpha,6beta,12aalpha))- (9 CI)

57-68-1
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

58-08-2
Caffeine (8 CI); 1H-Purine-2,6-dione, 3,7-dihydro-1,3,7-trimethyl- (9 CI)

60-57-1
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7, 7a-octahydro-, (1aalpha 2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)

67-66-3
Chloroform (8 CI); Methane, trichloro- (9 CI)

72-20-8
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,endo- (8 CI); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7, 7a-octahydro-, (1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)- (9 CI)

72-54-8
Ethane, 1,1-dichloro-2,2-bis(p-chlorphenyl)- (8 CI); Benzene, 1,1'-(2,2-dichloroethylidene)bis(4-chloro- (9 CI)

72-55-9
Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)

75-27-4
Methane, bromodichloro-

79-01-6
Ethylene, trichloro- (8 CI); Ethene, trichloro- (9 CI)

85-01-8
Phenanthrene

86-73-7
Fluorene (8 CI); 9H-Fluorene (9 CI)

87-86-5
Phenol, pentachloro-

91-20-3
Naphthalene

92-59-1
Benzylamine, N-ethyl-N-phenyl- (8 CI); Benzenemethanamine, N-ethyl-N-phenyl- (9CI)

108-88-3
Toluene (8 CI); Benzene, methyl- (9 CI)

108-95-2
Phenol

112-40-3
Dodecane

112-95-8
Eicosane

115-29-7
5-Norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro-, cyclic sulfite (8 CI); 6,9-Methano-2,4,3-benzodioxathiepan, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide (9 CI)

118-74-1
Benzene, hexachloro-

119-64-2
Naphthalene, 1,2,3,4-tetrahydro-

119-94-8
m-Toluidine, N-benzyl-N-ethyl- (8 CI); Benzenemethanamine, N-ethyl-N-(3-methylphenyl)- (9 CI)

122-11-2
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

127-18-4
Ethylene, tetrachloro- (8 CI); Ethene, tetrachloro- (9 CI)

134-32-7
1-Naphthylamine (8 CI); 1-Naphthalenamine (9 CI)

309-00-2
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, endo,exo- (8 CI); 1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha, 4alpha,4abeta,5alpha,8alpha,8abeta)- (9 CI)

493-02-7
Naphthalene, decahydro-, trans-

544-76-3
Hexadecane

571-61-9
Naphthalene, 1,5-dimethyl-

593-45-3
Octadecane

629-50-5
Tridecane

629-59-4
Tetradecane

629-62-9
Pentadecane

629-78-7
Heptadecane

629-92-5
Nonadecane

638-36-8
Hexadecane, 2,6,10,14-tetramethyl-

939-27-5
Naphthalene, 2-ethyl-

944-22-9
Phosphonodithioic acid, ethyl-, O-ethyl S-phenyl ester

1024-57-3
4,7-Methanoindan, 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro- (8 CI); 2,5-Methano-2H-indeno(1,2-b)oxirene, 2,3,4,5,6,7,7-heptachloro-1a,1b,5,5a,6,6a-hexahydro- (9 CI)

1162-65-8
Cyclopenta(c)furo(3',2':4,5)furo(2,3-h)(1)benzopyran-1,11-dione, 2,3,6aalpha,9aalpha-tetrahydro-4-methoxy- (8 CI); Cyclopenta(c)furo(3',2':4,5)furo(2,3-h)(1)benzopyran-1,11-dione, 2,3,6a,9a-tetrahydro-4-methoxy-, (6aR-cis)- (9 CI)

1321-94-4
Naphthalene, methyl-

1336-36-3
Biphenyl, chloro (8 CI); 1,1'-Biphenyl, chloro derivs (9 CI)

1406-66-2
Tocopherol

1563-66-2
Carbamic acid, methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester (8 CI); 7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate (9 CI)

1582-09-8
p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI); Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI)

1746-01-6
Dibenzo-p-dioxin, 2,3,7,8-tetrachloro- (8 CI); Dibenzo(b,e)(1,4)dioxin, 2,3,7,8-tetrachloro- (9 CI)

1795-15-9
Octane, 1-cyclohexyl- (8 CI); Cyclohexane, octyl- (9 CI)

1825-21-4
Anisole, 2,3,4,5,6-pentachloro- (8 CI); Benzene, pentachloromethoxy- (9 CI)

1921-70-6
Pentadecane, 2,6,10,14-tetramethyl-

2131-39-7
Naphthalene, 1,3,5-trimethyl-

2385-85-5
1,3,4-Metheno-1H-cyclobuta(cd)pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-

2883-02-5
Nonane, 1-cyclohexyl- (8 CI); Cyclohexane, nonyl- (9 CI)

3704-09-4
Estr-4-en-3-one, 17-hydroxy-7,17-dimethyl-, (7alpha,17beta)-

5103-71-9
4,7-Methanoindan, 1alpha,2alpha,4beta,5,6,7beta,8,8-octachloro-3aalpha,4,7,7aalpha-tetrahydro (8 CI); 4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-, (1alpha,2alpha,3aalpha,4beta,7beta,7aalpha)- (9 CI)

5103-73-1
4,7-Methanoindan, 1alpha,2alpha,3alpha,4beta,5,6,7beta,8,8-nonachloro-3aalpha,4,7,7-aalpha-tetrahydro- (8 CI); 4,7-Methano-1H-indene, 1,2,3,4,5,6,7,8,8-nonachloro-2,3,3a,4,7,7a-hexahydro-(1alpha,2alpha,3alpha,3aalpha,4beta,7aalpha- (9 CI)

7439-89-6
Iron

7439-92-1
Lead

7439-96-5
Manganese

7439-97-6
Mercury

7439-98-7
Molybdenum

7440-02-0
Nickel

7440-22-4
Silver

7440-24-6
Strontium

7440-31-5
Tin

7440-32-6
Titanium

7440-36-0
Antimony

7440-38-2
Arsenic

7440-41-7
Beryllium

7440-43-9
Cadmium

7440-47-3
Chromium

7440-48-4
Cobalt

7440-50-8
Copper

7440-62-2
Vanadium

7440-66-6
Zinc

7782-49-2
Selenium

8001-35-2
Toxaphene

11096-82-5
Arochlor 1260

11097-69-1
Arochlor 1254

12789-03-6
Chlordane

13494-80-9
Tellurium

22967-92-6
Mercury(1+), methyl-, ion (8 CI); Mercury(1+), methyl- (9 CI)

26880-48-8
4,7-Methanoindan, 1,2,4,5,6,7,8,8-octachloro-1,2-epoxy-3a,4,7,7a-tetrahydro- (8 CI); 2,5-Methano-2H-indeno(1,2-b)oxirene, 1a,2,3,4,5,6a,7,7-octachloro-1a,1b,5,5a,6,6a-hexahydro- (9 CI)

30560-19-1
Phosphoramidothioic acid, acetyl-, O,S-dimethyl ester

35367-38-5
Benzamide, N-(((4-chlorophenyl)amino)carbonyl-2,6-difluoro-

39765-80-5
4,7-Methano-1H-indene, 1,2,3,4,5,6,7,8,8-nonachloro-2,3,3a,4,7,7a-hexahydro-, (1alpha,2beta, 3alpha,3aalpha,4beta,7beta,7aalpha)-

39801-14-4
1,3,4-Metheno-1H-cyclobuta(cd)pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b-undecachlorooctahydro-

51235-04-2
1,3,5-Triazine-2,4(1H,3H)-dione, 3-cyclohexyl-6-(dimethylamino)-1-methyl-

51630-58-1
Benzeneacetic acid, 4-chloro-alpha-(1-methylethyl)-, cyano(3-phenoxyphenyl)methyl ester

52315-07-8
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl) methyl ester

52645-53-1

Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

53469-21-9
Arochlor 1242 (No postings in CHEMLINE).

APPENDIX D

CROSS-REFERENCED CHEMICAL LISTS

CAS Preferred Names—Common Names, page 533
Common Names—CAS Preferred Names, page 542.

Anisole, 2,3,4,5,6-pentachloro- (8 CI); Benzene, pentachloromethoxy- (9 CI)
Methyl pentachlorophenate; Methyl pentachlorophenyl ether; Pentachloroanisole; Pentachloromethoxybenzene; Pentachlorophenyl methyl ether; 2,3,4,5,6-Pentachloroanisole

Antimony
Antimony; C.I. 77050; Regulus of antimony; Stibium

Arochlor 1242 (No postings in CHEMLINE).
Arochlor 1242

Arochlor 1254
Arochlor 1254; PCB 1254

Arochlor 1260
Arochlor 1260; PCB 1260

Arsenic
Arsenic; Arsenic-75; Arsenic black; Grey arsenic; Metallic arsenic

Benzamide, N-(((4-chlorophenyl)amino)carbonyl-2,6-difluoro-
Diflubenzuron; Difluron; Dimilin; DU 112307; ENT 29054; N-(((4-chlorophenyl)amino)carbonyl-2,6-difluorobenzamide; OMS 1804; PDD 60401; PH 60-40; TH 60-40; Urea, 1-(m-chlorophenyl)-3-(2-(diethylamino)ethyl-2-thio-; 1-(4-Chlorophenyl)-3-(2,6-difluorobenzoyl)urea

Benzene, hexachloro-
Amatin; Anticarie; Bunt-cure; Bunt-no-more; Co-op Hexa; HCB; Hexachlorobenzene; Julin's carbon chloride; No Bunt; No Bunt Liquid; No Bunt 40; No Bunt 80; Pentachlorophenyl chloride; Perchlorobenzene; Sanocide; Snieciotox

Benzeneacetic acid, 4-chloro-alpha-(1-methylethyl)-, cyano(3-phenoxyphenyl)methyl ester
Belmark; Cyano(3-phenoxyphenyl)methyl 4-chloro-alpha-(1-methylethyl)benzeneacetate; Fenvalerate; Phenvalerate; Pydrin; S 5602; SD 43775; Sumicidin; WL 43775

Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-
Abcid; Albon; Arnosulfan; Deposul; Diasulfa; Dimethoxysulfadiazine; Dinosol; Dorisul; Fuxal; Madribon; Madrigid; Madriqid; Madroxin; Madroxine; Mecozine; Metoxidon; Omnibon; Persulfen; Redifal; Scandisil; SDM; SDMO; Sudine; Sulfadimethoxin; Sulfadimethoxine; Sulfadimethoxydiazine; Sulfadimetoxin; Sulfanilamide, N(1)-(2,6-dimethoxy-4-pyrimidinyl)-; Sulfastop; Sulfoplan; Sulphadimethoxine; Sulxin; Symbio

Benzo(a)pyrene
Benz(a)pyrene; Benzo(d.e,f)chrysene; BP; 3,4-Benz(a)pyrene; 3,4-Benzopyrene; 3,4-Benzopyrene [carcinogen]

Benzylamine, N-ethyl-N-phenyl- (8 CI); Benzenemethanamine, N-ethyl-N-phenyl- (9CI)
Benzylethylphenylamine; Ethylbenzylaniline; N-Benzyl-N-ethylaniline; N-Ethyl-N-benzylaniline; N-Ethyl-N-phenylbenzylamine; Phenylethylbenzylamine

Beryllium
Beryllium; Beryllium-9; Glucinium

Biphenyl, chloro (8 CI); 1,1'-Biphenyl, chloro derivs (9 CI)
PCB; Biphenyl, chlorinated; Chlorinated diphenyl

Cadmium
Cadmium; C.I. 77180

Caffeine (8 CI); 1H-Purine-2,6-dione, 3,7-dihydro-1,3,7-trimethyl- (9 CI)
Alert-Pep; Cafeina; Caffein; Caffeine; Cafipel; Coffeine; Guaranine; Koffein; Mateina; Methyltheobromine; No-Doz; Refresh'n; Stim; Thein; Theine; 1,3,7-Trimethylxanthine; 1,3,7-Trimethyl-2,6-dioxopurine

Carbamic acid, methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester (8 CI); 7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate (9 CI)
BAY 70143; Carbofuran; Chinufur; Curaterr; Furadan; Furadan 3G; NIA 10242; Niagara 10242; OMS 864; 2,2-Dimethyl-7-coumaranyl N-methylcarbamate; 2,3-Dihydro-2,2-dimethyl-7-benzofuranyl methylcarbamate

Chlordane
Belt; CD-68; Chlordan; Chlordane; Chlordane (Technical); Chlor Kil; Corodane; Intox; Intox [insecticide]; Kypchlor; Octa-Klor; Technical Chlordane; Toxichlor; Unexan-Koeder; Velsicol 1068; 1,2,4,5,6,7,8,8-Octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methanoindene; 1,2,4,5,6,7,8,8-Octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan; 1,2,4,5,6,7,8,8-Octachloro-4,7-methane-3a,4,7,7a-tetrahydroindane

Chloroform (8 CI); Methane, trichloro- (9 CI)
Trichloroform; Trichloromethane; R 20 [refrigerant]; R 20

Chromium
Chromium

Cobalt
C.I. 77320; Cobalt; Cobalt-59

Copper
Allbri Natural Copper; Anac 110; Arwood copper; CDA 101; CDA 102; CDA 110; CDA 122; C.I. Pigment Metal 2; C.I. 77400; CuEP; CuEPP; Cu M3; Copper; Copper M 1; Copper powder; DCuP1; E-Cu57; Kafar copper; M1 [copper]; M2 [copper]; M3 [copper]; M4 [copper]; M31; M3S; M 1; M 3; M 4; OFHC Cu; Raney copper; 1721 Gold

Cyclopenta(c)furo(3',2':4,5)furo(2,3-h)(1)benzopyran-1,11-dione, 2,3,6aalpha,9aalpha-tetrahydro-4-methoxy- (8 CI); Cyclopenta(c)furo(3',2':4,5)furo(2,3-h)(1)benzopyran-1,11-dione, 2,3,6a,9a-tetrahydro-4-methoxy-, (6aR-cis)- (9 CI)
Aflatoxin B1

Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

Ambush; Ambushfog; Chinetrin; Coopex; Ectiban; Exmin; FMC 33297; FMC 41655; ICI-PP 557; Kafil; Kestrel [pesticide]; NIA 33297; NRDC 143; OMS 1821; Outflank; Perigen; Permasect; Permethrin; Permetrin; Permigen W; Perthrine; Pounce; PP 557; Qamlin; Stockade; Stomoxin; Stomoxin P; S 3151; SBP 1513; SBP 1513ITEC; Talcord; WL 43479

Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methyl ester

Ardap; Barricade; CCN 52; Cymbush; Cypermethrin; FMC 30980; Imperator; JF 5705F; Kafil Super; NRDC 149; NRDC 166; OMS 2002; PP 383; Ripcord; WL 43467

DDT, total (No postings in CHEMLINE).

DDT, total

Dibenzo-p-dioxin, 2,3,7,8-tetrachloro- (8 CI); Dibenzo(b,e)(1,4)dioxin, 2,3,7,8-tetrachloro- (9 CI)

Dioxin; TCDBD; TCDD; 2,3,7,8-TCDD; 2,3,6,7-Tetrachlorodibenzo-p-dioxin; 2,3,7,8-Tetrachlorodibenzo-(b,e)(1,4)dioxan; 2,3,7,8-Tetrachlorodibenzo-p-dioxin; 2,3,7,8-Tetrachlorodibenzo-1,4-dioxin

Dodecane

Adakane 12; Ba 51-090453; n-Dodecane

Eicosane

Eicosane; n-C20

Estr-4-en-3-one, 17-hydroxy-7,17-dimethyl-, (7alpha,17beta)-

Estr-4-en-3-one, 17beta-hydroxy-7alpha, 17-dimethyl; Miboleron; Mibolerone; U 10997; 17-beta-Hydroxy-7-alpha, 17-dimethylestr-4-en-3-one

Ethane, 1,1-dichloro-2,2-bis(p-chlorphenyl)- (8 CI); Benzene, 1,1'-(2,2-dichloroethylidene)bis(4-chloro- (9 CI)

DDD; Dichlorodiphenyl dichloroethane; Dilene; Me1700; p,p'-DDD; p,p'-Dichlorodiphenyldichloroethane; p,p'-Dichlorodiphenyl-2,2-dichloroethylene; p,p'-TDE; Rhothane; TDE; Tetrachlorodiphenyl ethane; 1,1-Bis(p-chlorophenyl)-2,2-dichloroethane; 1,1-Bis(4-chlorophenyl)-2,2-dichloroethane; 1,1-Dichloro-2,2-bis(p-chlorophenyl)ethane; 1,1-Dichloro-2,2-bis(4-chlorophenyl)ethane; 2,2-Bis(4-chlorophenyl)-1,1-dichloroethane; 4,4'-DDD

Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

Aavero-extra; Agritan; alpha,alpha-Bis(p-chlorophenyl)-beta,beta,beta-trichlorethane; Arkotine; Azotox M-33; Bosan supra; Bovidermol; Chlorophenothane; Chlorphenothan; Chlorphenotoxum; Citox; Clofenotan; Clofenotane ; DDT; Deoval; Detox; Detoxan; Dodat; Dibovin; Dichlorodiphenyltrichloroethane; Dicophane; Dykol; ENT-1506; Estonate; Ethane, 1,1,1-trichloro-2,2-bis(4-chlorophenyl); Gesafid; Gesarol; Ivoran; Mutoxan; Neocid; Neocidol; Parachlorocidum; PEB1; Pentachlorin; Penticidum; p,p'-DDT; p,p'-Dichlorodiphenyltrichloroethane; Rcfidex; Trichlorobis(4'-chlorophenyl)ethane; Zerdane; 1,1-Bis(p-chlorophenyl)-2,2,2-trichloroethane; 1,1,1-Trichloro-2,2-bis(p-chlorophenyl)ethane; 1,1,1-Trichloro-2,2-bis(4,4'-dichlorodiphenyl)ethane; 2,2-Bis(p-chlorophenyl)-1,1,1-trichloroethane; 4,4'-Dichlorodiphenyltrichloroethane

Ethylene, tetrachloro- (8 CI); Ethene, tetrachloro- (9 CI)
Ankilostin; Antisal 1; Didakene; Ethylene tetrachloride; Fedal-Un; Nema; Perchlorethylene; Perchloroethylene; Perclene; PerSec; Tetracap; Tetrachloroethene; Tetrachlorethylene; Tetrachloroethylene; Tetraguer; Tetraleno; Tetropil; Teltlen; 1,1,2,2-Tetrachloroethylene

Ethylene, trichloro- (8 CI); Ethene, trichloro- (9 CI)
Algylen; Chloriben; Chlorylen; Chorylen; Densinfluat; Ethinyl trichloride; Ethylene trichloride; Fluate; Germalgene; Narcogen; Narkosoid; Threthylen; Threthylene; Trethylene; Tri; Tri-Clene; Trichloran; Trichloren; Trichloroethene; Trichloroethylene; Triclene Anamenth; Trielene; Trilen; Trilene; Trimar; Westrosol

Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)
DDE; p,p'-DDE; p,p'-Dichlorodiphenyldichloroethylene; 1,1-Dichloro-2,2-bis(p-chlorophenyl) ethylene; 1,1-Dichloro-2,2-di(p-chlorophenyl)ethylene; 2,2-Bis(4-chlorophenyl)-1,1-dichloroethylene; 4,4'-DDE

Fluorene (8 CI); 9H-Fluorene (9 CI)
Diphenylenemethane; Methane, diphenylene-

Heptadecane
n-Heptadecane

Hexadecane
Cetane; n-Cetane; n-Hexadecane

Hexadecane, 2,6,10,14-tetramethyl-
Phytane

Iron
Armco iron; Ferrovac E; Iron; Loha; EO5A; PZh2M; PZh2M2; PZh3; PZh1M1; PZh3M; PZh4M; PZh-2; PZh2M1; PZh-1M3; SUY B-2

Lead
C.I. Pigment Metal 4; C.I. 77575; KS-4; Lead; Lead Flake; Lead S2; S0; S1

m-Toluidine, N-benzyl-N-ethyl- (8 CI); Benzenemethanamine, N-ethyl-N-(3-methylphenyl)- (9 CI)
N-Benzyl-N-ethyl-3-methylaniline; N-Benzyl-N-ethyl-m-toluidine; N-Ethyl-N-benzyl-m-toluidine; N-Ethyl-N-(m-tolyl)benzylamine; 3-(N-Benzyl-N-ethylamino)methylbenzene; 3-(N-Benzyl-N-ethylamino)toluene

Manganese
Colloidal manganese; Cutaval; Manganese

Mercury
Mercury; Quicksilver

Mercury(1+), methyl-, ion (8 CI); Mercury(1+), methyl- (9 CI)
Methylmercury; Methylmercury(1+); Methylmercury(II) cation; Methyl mercury ion; Methylmercury ion(1+)

Methane, bromodichloro-
Bromodichloromethane

Molybdenum
MChVL; Molybdenum; TsM1

Naphthalene
Albocarbon; Dezodorator; Moth flakes; Naphthaline; Naphthene; Tar camphor; White tar

Naphthalene, decahydro-, trans-
Trans-decalin; t-Decalin

Naphthalene, methyl-
Methylnaphthalene

Naphthalene, 1,2,3,4-tetrahydro-
Tetralin; Tetralene

Naphthalene, 1,3,5-trimethyl-
1,3,5-Trimethylnaphthalene

Naphthalene, 1,5-dimethyl-
1,5-Dimethylnaphthalene

Naphthalene, 2-ethyl-
2-Ethylnaphthalene

Nickel
C.I. 77775; Nickel; Ni 270; Ni 4303T; Ni 0901-S(Harshaw); Nickel NP2; Nickel 270; NP2; Raney alloy; Raney nickel; RCH 55/5

Nonadecane
n-Nonadecane

Nonane, 1-cyclohexyl- (8 CI); Cyclohexane, nonyl- (9 CI)
Nonylcyclohexane

Octadecane
n-Octadecane

Octane, 1-cyclohexyl- (8 CI); Cyclohexane, octyl- (9 CI)
Octylcyclohexane

p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI); Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI)
Agreflan; Agriflan 24; Elancolan; L-36352; Nitran: Olitref; Trefanocide; Treflan; Trifloran; Trifluralin; Trifluraline; Trikepin

Pentadecane
n-Pentadecane

Pentadecane, 2,6,10,14-tetramethyl-
Bute hydrocarbon; Norphytane; Pristane

Phenanthrene
Phenanthrene

Phenol
Benzenol; Carbolic acid; Hydroxybenzene; Izal; Monohydroxybenzene; Monophenol; Oxybenzene; Phenic acid; Phenol; Phenyl hydrate; Phenyl hydroxide; Phenylic acid; Phenylic alcohol

Phenol, pentachloro-
Dowicide 7; EP 30; Fungifen; Grundier Arbezol; Lauxtol; Liroprem; PCP; Penchlorol; Penta; Pentachlorophenol; Permasan; Santophen 20

Phosphonodithioic acid, ethyl-, O-ethyl S-phenyl ester
O-Aethyl-S-phenyl-aethyl-dithiophosphonat; Difonatul; Difonate; Dyphonate; ENT 25,796; O-Ethyl-S-phenyl ethylphosphonodithioate; O-Ethyl S-phenyl ethyldithiophosphonate; Fonofos; N 2790: Stauffer N 2790

Phosphoramidothioic acid, acetyl-, O,S-dimethyl ester
Acephate; Acetamidophos; Orthene; Orthene-755; Ortran; O,S-Dimethyl acetylphosphoramidothioate; O,S-Dimethyl N-acetylphosphoramidothioate; O,S-Dimethyl N-acetylphosphoramidothiolate; RE 12420

Selenium
C.I. 77805; Selenium

Silver
Argentum; C.I. 77820; L 3; Shell Silver; Silflake 135; Silver; Silver atom; Silver metal; Sr 999; V 9

Strontium
Strontium

Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)
A-502; Azolmetazin; Cremomethazine, Diazil [the sulfanilamide]; Diazil; Diazyl; Dimezathine; Kelametazine; Mefanal; Mermeth; Neasina; Neazina; N(1)-(4,6-Dimethyl-2-pyrimidinyl)sulfanilamide; N(1)-(4,6-Dimethyl-2-pyrimidyl)sulfanilamide; N-(4,6-Dimethyl-2-pyrimidyl)sulfanilamide; Paramez; Pirmazin; Spanbolet; Sulfadimerazine; Sulfadimesin; Sulfadimesine; Sulfadimethyldiazine; Sulfadimethylpyrimidine; Sulfadimezin; Sulfadimezine; Sulfadimidin; Sulfadimidine; Sulfadine; Sulfamethazine; Sulfamethiazine; Sulfamezathine; Sulfix; Sulfodimesin, Sulfodimezine;

Sulmet; S-Mez; Sulphadimethylpyrimidine; Sulphadimidine; Sulphamethasine; Sulphamethazine; Sulphamezathine; Sulphamidine; Sulphodimezine; Superseptil; Superseptyl; Vertolan; Vertolin; 2-(p-Aminobenzenesulfonamido)-4,6-dimethylpyrimidine; 2-Sulfanilamido-4,6-dimethylpyrimidine; 4,6-Dimethyl-2-sulfanilamidopyrimidine

Tellurium
Tellurium

Tetradecane
n-Tetradecane

Tin
C.I. Pigment Metal 5; C.I. 77860; Metallic tin; Silver Matt Powder; Tin; Tin Flake; Tin Powder; Wang

Titanium
alpha-VT-1-0; Contimet 30; C.P. Titanium; EMO 140; IMI 115; IMI 130; JIST P 28; Smelloff-Cutter Titanium; Titanium; Titanium A-40; Titanium VT1; Titanium-125; Titanium 50A; Titan VT 1-1; T40; T60; T160; Ti40, Ti 40A; Ti 50A; Ti 75A; VT 1; Vt-1D; VT 1 L; VT 1-0; VT 1-1; VT 1-2; 75A

Tocopherol
Tocopherol

Toluene (8 CI); Benzene, methyl- (9 CI)
Antisal 1a; Methylbenzene; Methylbenzol; Methacide; Phenylmethane; Toluene; Toluol

Toxaphene
Alltox; Anatox; Camphechlor; Camphochlor; Chlorinated camphene; Estonox; Geniphene; Hercules 3956; Kamfochlor; Melipax; M 5055; PChK; Penphene; Phenacide; Phenatox; Polychlorocamphene; Strobane T; Synthetic 3956; Toxakil; Toxaphen; Toxyphen

Tridecane
n-Tridecane; n-C13

Vanadium
Vanadium; Vanadium-51

Zinc
Blue powder; Zinc

1-Naphthylamine (8 CI); 1-Naphthalenamine (9 CI)
alpha-Aminonaphthalene; alpha-Naphthylamine; C.I. Azoic Diazo Component 114; C.I. 37265; Fast Garnet Base B; Naphthalidam; Naphthalidine; 1-Aminonaphthalene; 1-Naphthalamine

1,3,4-Metheno-1H-cyclobuta(cd)pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b-undecachlorooctahydro-
Photomirex; 8-Hydromirex; 8-Monohydromirex

1,3,4-Metheno-1H-cyclobuta(cd)pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-

CG-1283; Dechlorane; Dechlorane Plus; Dechlorane Plus 515; Dechlorane 4070; Dechlorane 515; Dodecachlorooctahydro-1,3,4-metheno-2H-cyclobuta(cd)pentalene; ENT 25,719; GC 1283; Hexachlorocyclopentadiene dimer; Mirex; Perchlorodihomocubane; Perchloropentacyclodecane; Perchloropentacyclo(5.2.1.0(2,6).0(3,9).0(5,8))decane; 1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-, dimer

1,3,5-Triazine-2,4(1H,3H)-dione, 3-cyclohexyl-6-(dimethylamino)-1-methyl-

DPX 3674; Hexazinone; Velpar; Velpar L

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, endo,exo- (8 CI); 1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4abeta,5alpha,8aipha,8abeta)- (9 CI)

Aldocit; Aldrin; Compound 118; ENT 15,949; HHDN; Kortofil; Octalene; SD 2794; Seedrin; Tatuzinho; Tipula

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)

Aldrin Epoxide; Alvit 55; Compound 497; Dieldrin; Dieldrex; Dielmoth; Dildrin; Dorytox; ENT-16225; HEOD; Illoxol; Insectlack; Kombi-Albertan; Moth Snub D; Octalox; Red Shield; SD 3417; Termitox

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,endo- (8 CI); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)- (9 CI)

Compd. 269; Endrex; Endricol; Endrin; Experimental Insecticide 269; Hexadrin; Mendrin; Oktanex; SD 3419

2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo- (8 CI); 2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, (4S-(4alpha,4aalpha,5aalpha,6beta,12aalpha))- (9 CI)

Acronize; Acronize PD; Aureocarmyl; Aureociclin; Aureocina; Aureomicina; Aureomycin; Aureomykoin; Aurofac; Aurofac 10; Biomitsin; Biomycin; Biomycin a; Chlortetracyclin; Chlortetracycline; Chrysomykine; CTC; Duomycin; Flamycin; Tri-chlortetracycline; Uromycin; 7-Chlorotetracycline; 7-Chlortetracycline

4,7-Methano-1H-indene, 1,2,3,4,5,6,7,8,8-nonachloro-2,3,3a,4,7,7a-hexahydro-, (1alpha,2beta,3alpha,3aalpha,4beta,7beta,7aalpha)-

trans-Nonachlor

4,7-Methanoindan, 1,2,4,5,6,7,8,8-octachloro-1,2-epoxy-3a,4,7,7a-tetrahydro- (8 CI); 2,5-Methano-2H-indeno(1,2-b)oxirene, 1a,2,3,4,5,6a,7,7-octachloro-1a,1b,5,5a,6,6a-hexahydro- (9 CI)

Octachlor epoxide; Oxychlordan; Oxychlordane

4,7-Methanoindan, 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro- (8 CI); 2,5-Methano-2H-indeno(1,2-b)oxirene, 2,3,4,5,6,7,7-heptachloro-1a,1b,5,5a,6,6a-hexahydro- (9 CI)

ENT 25,584; Epoxyheptachlor; HCE; Heptachlor epoxide; Velsicol 53-CS-17

4,7-Methanoindan, 1alpha,2alpha,3alpha,4beta,5,6,7beta,8,8-nonachloro-3aalpha,4,7,7-aalpha-tetrahydro- (8 CI); 4,7-Methano-1H-indene, 1,2,3,4,5,6,7,8,8-nonachloro-2,3,3a,4,7,7a-hexahydro-(1alpha,2alpha,3alpha,3aalpha,4beta,7aalpha- (9 CI)

cis-Nonachlor; Nonachlor, cis

4,7-Methanoindan, 1alpha,2alpha,4beta,5,6,7beta,8,8-octachloro-3aalpha,4,7,7aalpha-tetrahydro (8 CI); 4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-, (1alpha,2alpha,3aalpha,4beta,7beta,7aalpha)- (9 CI)

alpha-Chlordan; alpha-Chlordane; Chlordan, cis-; cis-Chlordan; cis-Chlordane

5-Norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro-, cyclic sulfite (8 CI); 6,9-Methano-2,4,3-benzodioxathiepan, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide (9 CI)

Benzoepin; Beosit; BIO 5,462; Chlorthiepin; Endosulfan; Endosulfan 35EC; Endosulphan; ENT 23,979; HOE 2,671; Malix; Niagra 5,462; OMS 570; Tionex; Thimul; Thiodan; Thionex; 1,2,3,4,7,7-hexachlorobicyclo[2.2.1]-2-heptene-5,6-bisoxymethylene sulfite

A-502
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Aavero-extra
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

Abeid
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

Acephate
Phosphoramidothioic acid, acetyl-, O,S-dimethyl ester

Acetamidophos
Phosphoramidothioic acid, acetyl-, O,S-dimethyl ester

Acronize
2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo- (8 CI); 2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, (4S-(4alpha,4aalpha,5aalpha,6beta,12aalpha))- (9 CI)

Acronize PD
2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo- (8 CI); 2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, (4S-(4alpha,4aalpha,5aalpha,6beta,12aalpha))- (9 CI)

Adakane 12
Dodecane

Aflatoxin B1
Cyclopenta(c)furo(3',2':4,5)furo(2,3-h)(1)benzopyran-1,11-dione, 2,3,6aalpha,9aalpha-tetrahydro-4-methoxy- (8 CI); Cyclopenta(c)furo(3',2':4,5)furo(2,3-h)(1)benzopyran-1,11-dione, 2,3,6a,9a-tetrahydro-4-methoxy-, (6aR-cis)- (9 CI)

Agrefan
p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI); Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI)

Agrifan 24
p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI); Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI)

Agritan
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

Albocarbon
Naphthalene

Albon
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

Aldocit
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, endo,exo- (8 CI); 1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4abeta,5alpha,8alpha,8abeta)- (9 CI)

Aldrin
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, endo,exo- (8 CI); 1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4abeta,5alpha,8alpha,8abeta)- (9 CI)

Aldrin Epoxide
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)

Alert-Pep
Caffeine (8 CI); 1H-Purine-2,6-dione, 3,7-dihydro-1,3,7-trimethyl- (9 CI)

Algylen
Ethylene, trichloro- (8 CI); Ethene, trichloro- (9 CI)

Allbri Natural Copper
Copper

Alltox
Toxaphene

alpha-Aminonaphthalene
1-Naphthylamine (8 CI); 1-Naphthalenamine (9 CI)

alpha-Chlordan
4,7-Methanoindan, 1alpha,2alpha,4beta,5,6,7beta,8,8-octachloro-3aalpha,4,7,7aalpha-tetrahydro (8 CI); 4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-, (1alpha,2alpha,3aalpha,4beta,7beta,7aalpha)- (9 CI)

alpha-Chlordane
4,7-Methanoindan, 1alpha,2alpha,4beta,5,6,7beta,8,8-octachloro-3aalpha,4,7,7aalpha-tetrahydro (8 CI); 4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-, (1alpha,2alpha,3aalpha,4beta,7beta,7aalpha)- (9 CI)

alpha-Naphthylamine
1-Naphthylamine (8 CI); 1-Naphthalenamine (9 CI)

alpha-VT-1-0
Titanium

alpha,alpha-Bis(p-chlorophenyl)-beta,beta,beta-trichlorethane
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

Alvit 55
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)

Amatin
Benzene, hexachloro-

Ambush
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

Ambushfog
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

Anac 110
Copper

Anatox
Toxaphene

Ankilostin
Ethylene, tetrachloro- (8 CI); Ethene, tetrachloro- (9 CI)

Anticarie
Benzene, hexachloro-

Antimony
Antimony

Antisal 1
Ethylene, tetrachloro- (8 CI); Ethene, tetrachloro- (9 CI)

Antisal 1a
Toluene (8 CI); Benzene, methyl- (9 CI)

Ardap
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methyl ester

Argentum
Silver

Arkotine
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI), Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

Armco iron
Iron

Arnosulfan
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

Arochlor 1242
Arochlor 1242 (No postings in CHEMLINE).

Arochlor 1254
Arochlor 1254

Arochlor 1260
Arochlor 1260

Arsenic
Arsenic

Arsenic black
Arsenic

Arsenic-75
Arsenic

Arwood copper
Copper

Aureocarmyl
2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo- (8 CI); 2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, (4S-(4alpha,4aalpha,5aalpha,6beta,12aalpha))- (9 CI)

Aureociclin
2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo- (8 CI); 2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, (4S-(4alpha,4aalpha,5aalpha,6beta,12aalpha))- (9 CI)

Aureocina
2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo- (8 CI); 2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, (4S-(4alpha,4aalpha,5aalpha,6beta,12aalpha))- (9 CI)

Aureomicina
2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo- (8 CI); 2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, (4S-(4alpha,4aalpha,5aalpha,6beta,12aalpha))- (9 CI)

Aureomycin
2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo- (8 CI); 2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, (4S-(4alpha,4aalpha,5aalpha,6beta,12aalpha))- (9 CI)

Aureomykoin
2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo- (8 CI); 2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, (4S-(4alpha,4aalpha,5aalpha,6beta,12aalpha))- (9 CI)

Aurofac
2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo- (8 CI); 2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, (4S-(4alpha,4aalpha,5aalpha,6beta,12aalpha))- (9 CI)

Aurofac 10
2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo- (8 CI); 2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, (4S-(4alpha,4aalpha,5aalpha,6beta,12aalpha))- (9 CI)

Azolmetazin
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Azotox M-33
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

Ba 51-090453
Dodecane

Barricade
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methyl ester

BAY 70143
Carbamic acid, methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester (8 CI); 7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate (9 CI)

Belmark
Benzeneacetic acid, 4-chloro-alpha-(1-methylethyl)-, cyano(3-phenoxyphenyl)methyl ester

Belt
Chlordane

Benz(a)pyrene
Benzo(a)pyrene

Benzenol
Phenol

Benzo(d,e,f)chrysene
Benzo(a)pyrene

Benzoepin
5-Norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro-, cyclic sulfite (8 CI); 6,9-Methano-2,4,3-benzodioxathiepan, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide (9 CI)

Benzylethylphenylamine
Benzylamine, N-ethyl-N-phenyl- (8 CI); Benzenemethanamine, N-ethyl-N-phenyl- (9CI)

Beosit
5-Norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro-, cyclic sulfite (8 CI); 6,9-Methano-2,4,3-benzodioxathiepan, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide (9 CI)

Beryllium
Beryllium

Beryllium-9
Beryllium

BIO 5,462
5-Norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro-, cyclic sulfite (8 CI); 6,9-Methano-2,4,3-benzodioxathiepan, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide (9 CI)

Biomitain
2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo- (8 CI); 2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, (4S-(4alpha,4aalpha,5aalpha,6beta,12aalpha))- (9 CI)

Biomycin
2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo- (8 CI); 2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, (4S-(4alpha,4aalpha,5aalpha,6beta,12aalpha))- (9 CI)

Biomycin a
2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo- (8 CI); 2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, (4S-(4alpha,4aalpha,5aalpha,6beta,12aalpha))- (9 CI)

Biphenyl, chlorinated
Biphenyl, chloro (8 CI); 1,1'-Biphenyl, chloro derivs (9 CI)

Blue powder
Zinc

Bosan supra
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

Bovidermol
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

BP
Benzo(a)pyrene

Bromodichloromethane
Methane, bromodichloro-

Bunt-cure
Benzene, hexachloro-

Bunt-no-more
Benzene, hexachloro-

Buta hydrocarbon
Pentadecane, 2,6,10,14-tetramethyl-

C.I. Azoic Diazo Component 114
1-Naphthylamine (8 CI); 1-Naphthalenamine (9 CI)

C.I. Pigment Metal 2
Copper

C.I. Pigment Metal 4
Lead

C.I. Pigment Metal 5
Tin

C.I. 37265
1-Naphthylamine (8 CI); 1-Naphthalenamine (9 CI)

C.I. 77050
Antimony

C.I. 77180
Cadmium

C.I. 77320
Cobalt

C.I. 77400
Copper

C.I. 77575
Lead

C.I. 77775
Nickel

C.I. 77805
Selenium

C.I. 77820
Silver

C.I. 77860
Tin

C.P. Titanium
Titanium

Cadmium
Cadmium

Cafeina
Caffeine (8 CI); 1H-Purine-2,6-dione, 3,7-dihydro-1,3,7-trimethyl- (9 CI)

Caffein
Caffeine (8 CI); 1H-Purine-2,6-dione, 3,7-dihydro-1,3,7-trimethyl- (9 CI)

Caffeine
Caffeine (8 CI); 1H-Purine-2,6-dione, 3,7-dihydro-1,3,7-trimethyl- (9 CI)

Cafipel
Caffeine (8 CI); 1H-Purine-2,6-dione, 3,7-dihydro-1,3,7-trimethyl- (9 CI)

Camphechlor
Toxaphene

Camphochlor
Toxaphene

Carbofuran
Carbamic acid, methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester (8 CI); 7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate (9 CI)

Carbolic acid
Phenol

CCN 52
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methyl ester

CD-68
Chlordane

CDA 101
Copper

CDA 102
Copper

CDA 110
Copper

CDA 122
Copper

Cetane
Hexadecane

CG-1283
1,3,4-Metheno-1H-cyclobuta(cd)pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-

Chinetris
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

Chinufur
Carbamic acid, methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester (8 CI); 7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate (9 CI)

Chlor Kil
Chlordane

Chlordan
Chlordane

Chlordan, cis-
4,7-Methanoindan, 1alpha,2alpha,4beta,5,6,7beta,8,8-octachloro-3a,4,7,7a-tetrahydro (8 CI); 4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-, (1alpha,2alpha,3aalpha,4beta,7beta,7a alpha)- (9 CI)

Chlordane
Chlordane

Chlordane (Technical)
Chlordane

Chloriben
Ethylene, trichloro- (8 CI); Ethene, trichloro- (9 CI)

Chlorinated camphene
Toxaphene

Chlorinated diphenyl
Biphenyl, chloro (8 CI); 1,1'-Biphenyl, chloro derivs (9 CI)

Chlorophenothane
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

Chlorphenothan
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

Chlorphenotoxum
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

Chlortetracyclin
2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo- (8 CI); 2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, (4S-(4alpha,4aalpha,5aalpha,6beta,12aalpha))- (9 CI)

Chlortetracycline
2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo- (8 CI); 2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, (4S-(4alpha,4aalpha,5aalpha,6beta,12aalpha))- (9 CI)

Chlorthiepin
5-Norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro-, cyclic sulfite (8 CI); 6,9-Methano-2,4,3-benzodioxathiepan, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide (9 CI)

Chlorylen
Ethylene, trichloro- (8 CI); Ethene, trichloro- (9 CI)

Chorylen
Ethylene, trichloro- (8 CI); Ethene, trichloro- (9 CI)

Chromium
Chromium

Chrysomykine
2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo- (8 CI); 2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, (4S-(4alpha,4aalpha,5aalpha,6beta,12aalpha))- (9 CI)

cis-Chlordan
4,7-Methanoindan, 1alpha,2alpha,4beta,5,6,7beta,8,8-octachloro-3aalpha,4,7,7aalpha-tetrahydro (8 CI); 4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-, (1alpha,2alpha,3aalpha,4beta,7beta,7aalpha)- (9 CI)

cis-Chlordane
4,7-Methanoindan, 1alpha,2alpha,4beta,5,6,7beta,8,8-octachloro-3aalpha,4,7,7aalpha-tetrahydro (8 CI); 4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-, (1alpha,2alpha,3aalpha,4beta,7beta,7aalpha)- (9 CI)

cis-Nonachlor
4,7-Methanoindan, 1alpha,2alpha,3alpha,4beta,5,6,7beta,8,8-nonachloro-3aalpha,4,7,7-aalpha-tetrahydro- (8 CI); 4,7-Methano-1H-indene, 1,2,3,4,5,6,7,8,8-nonachloro-2,3,3a,4,7,7a-hexahydro-(1alpha,2alpha,3alpha,3aalpha,4beta,7aalpha- (9 CI)

Citox
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

Clofenotan
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

Clofenotane
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

Co-op Heza
Benzene, hexachloro-

Cobalt
Cobalt

Cobalt-59
Cobalt

Coffeine
Caffeine (8 CI); 1H-Purine-2,6-dione, 3,7-dihydro-1,3,7-trimethyl- (9 CI)

Colloidal manganese
Manganese

Compd. 269
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,endo- (8 CI); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)- (9 CI)

Compound 118
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, endo,exo- (8 CI); 1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4abeta,5alpha,8alpha,8abeta)- (9 CI)

Compound 497
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)

Contimet 30
Titanium

Coopex
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

Copper
Copper

Copper M 1
Copper

Copper powder
Copper

Corodane
Chlordane

Cremomethazine
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

CTC
2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo- (8 CI); 2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, (4S-(4alpha,4aalpha,5aalpha,6beta,12aalpha))- (9 CI)

Cu M3
Copper

CuEP
Copper

CuEPP
Copper

Curaterr
Carbamic acid, methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester (8 CI); 7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate (9 CI)

Cutaval
Manganese

Cyano(3-phenoxyphenyl)methyl 4-chloro-alpha-(1-methylethyl)benzeneacetate
Benzeneacetic acid, 4-chloro-alpha-(1-methylethyl)-, cyano(3-phenoxyphenyl)methyl ester

Cymbush
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methyl ester

Cypermethrin
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methyl ester

DCuP1
Copper

DDD
Ethane, 1,1-dichloro-2,2-bis(p-chlorphenyl)- (8 CI); Benzene, 1,1'-(2,2-dichloroethylidene)bis(4-chloro- (9 CI)

DDE
Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)

DDT
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

DDT, total
DDT, total (No postings in CHEMLINE).

Dechlorane
1,3,4-Metheno-1H-cyclobuta(cd)pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-

Dechlorane Plus
1,3,4-Metheno-1H-cyclobuta(cd)pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-

Dechlorane Plus 515
1,3,4-Metheno-1H-cyclobuta(cd)pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-

Dechlorane 4070
1,3,4-Metheno-1H-cyclobuta(cd)pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-

Dechlorane 515
1,3,4-Metheno-1H-cyclobuta(cd)pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-

Densinfust
Ethylene, trichloro- (8 CI); Ethene, trichloro- (9 CI)

Deoval
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

Deposul
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

Detox
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

Detoxan
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

Deodorator
Naphthalene

Di-sulfa
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

Diazil
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Diazil [the sulfanilamide]
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Diaxyl
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Dibovin
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

Dichlorodiphenyl dichloroethane
Ethane, 1,1-dichloro-2,2-bis(p-chlorphenyl)- (8 CI); Benzene, 1,1'-(2,2-dichloroethylidene)bis(4-chloro- (9 CI)

Dichlorodiphenyltrichloroethane
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

Dicophane
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

Dichlorethene
Ethylene, tetrachloro- (8 CI); Ethene, tetrachloro- (9 CI)

Dieldrex
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)

Dieldrin
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)

Dielmoth
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)

Difubenzuron
Benzamide, N-(((4-chlorophenyl)amino)carbonyl-2,6-difluoro-

Difuron
Benzamide, N-(((4-chlorophenyl)amino)carbonyl-2,6-difluoro-

Difonate
Phosphonodithioic acid, ethyl-, O-ethyl S-phenyl ester

Difonatul
Phosphonodithioic acid, ethyl-, O-ethyl S-phenyl ester

Dildrin
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)

Dilene
Ethane, 1,1-dichloro-2,2-bis(p-chlorphenyl)- (8 CI); Benzene, 1,1'-(2,2-dichloroethylidene)bis(4-chloro- (9 CI)

Dimethoxysulfadiazine
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

Dimezathine
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Dimilin
Benzamide, N-(((4-chlorophenyl)amino)carbonyl-2,6-difluoro-

Dinosol
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

Dioxin
Dibenzo-p-dioxin, 2,3,7,8-tetrachloro- (8 CI); Dibenzo(b,e)(1,4)dioxin, 2,3,7,8-tetrachloro- (9 CI)

Diphenylenemethane
Fluorene (8 CI); 9H-Fluorene (9 CI)

Dodat
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

Dodecachlorooctahydro-1,3,4-metheno-2H-cyclobuta(cd)pentalene
1,3,4-Metheno-1H-cyclobuta(cd)pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-

Dovisul
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

Dowtox
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)

Dowicide 7
Phenol, pentachloro-

DPX 3674
1,3,5-Triazine-2,4(1H,3H)-dione, 3-cyclohexyl-6-(dimethylamino)-1-methyl-

DU 112307
Benzamide, N-(((4-chlorophenyl)amino)carbonyl-2,6-difluoro-

Duomycin
2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo- (8 CI); 2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, (4S-(4alpha,4aalpha,5aalpha,6beta,12aalpha))- (9 CI)

Dykol
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

Dyphonate
Phosphonodithioic acid, ethyl-, O-ethyl S-phenyl ester

E-Cu57
Copper

Etiban
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

Eicosane
Eicosane

Elancolan
p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI); Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI)

EMO 140
Titanium

Endosulfan
5-Norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro-, cyclic sulfite (8 CI); 6,9-Methano-2,4,3-benzodioxathiepan, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide (9 CI)

Endosulfan 35EC
5-Norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro-, cyclic sulfite (8 CI); 6,9-Methano-2,4,3-benzodioxathiepan, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide (9 CI)

Endosulphan
5-Norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro-, cyclic sulfite (8 CI); 6,9-Methano-2,4,3-benzodioxathiepan, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide (9 CI)

Endrex
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,endo- (8 CI); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)- (9 CI)

Endricol
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,endo- (8 CI); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)- (9 CI)

Endrin
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,endo- (8 CI); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)- (9 CI)

ENT 15,949
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, endo,exo- (8 CI); 1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4abeta,5alpha,8alpha,8abeta)- (9 CI)

ENT 23,979
5-Norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro-, cyclic sulfite (8 CI); 6,9-Methano-2,4,3-benzodioxathiepan, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide (9 CI)

ENT 25,584
4,7-Methanoindan, 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro- (8 CI); 2,5-Methano-2H-indeno(1,2-b)oxirene, 2,3,4,5,6,7,7-heptachloro-1a,1b,5,5a,6,6a-hexahydro- (9 CI)

ENT 25,719
1,3,4-Metheno-1H-cyclobuta(cd)pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-

ENT 25,796
Phosphonodithioic acid, ethyl-, O-ethyl S-phenyl ester

ENT 29054
Benzamide, N-(((4-chlorophenyl)amino)carbonyl-2,6-difluoro-

ENT-1506
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

ENT-16225
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)

EO5A
Iron

EP 30
Phenol, pentachloro-

Epoxyheptachlor
4,7-Methanoindan, 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro- (8 CI); 2,5-Methano-2H-indeno(1,2-b)oxirene, 2,3,4,5,6,7,7-heptachloro-1a,1b,5,5a,6,6a-hexahydro- (9 CI)

Estonate
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

Estonex
Toxaphene

Estr-4-en-3-one, 17beta-hydroxy-7alpha, 17-dimethyl
Estr-4-en-3-one, 17-hydroxy-7,17-dimethyl-, (7alpha,17beta)-

Ethane, 1,1,1-trichloro-2,2-bis(4-chlorophenyl)
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

Ethinyl trichloride
Ethylene, trichloro- (8 CI); Ethene, trichloro- (9 CI)

Ethylbenzylaniline
Benzylamine, N-ethyl-N-phenyl- (8 CI); Benzenemethanamine, N-ethyl-N-phenyl- (9CI)

Ethylene tetrachloride
Ethylene, tetrachloro- (8 CI); Ethene, tetrachloro- (9 CI)

Ethylene trichloride
Ethylene, trichloro- (8 CI); Ethene, trichloro- (9 CI)

Exmin
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

Experimental Insecticide 269
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,endo- (8 CI); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)- (9 CI)

Fast Garnet Base B
1-Naphthylamine (8 CI); 1-Naphthalenamine (9 CI)

Fedal-Un
Ethylene, tetrachloro- (8 CI); Ethene, tetrachloro- (9 CI)

Fenvalerate
Benzeneacetic acid, 4-chloro-alpha-(1-methylethyl)-, cyano(3-phenoxyphenyl)methyl ester

Ferrovac E
Iron

Flamycin
2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo- (8 CI); 2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, (4S-(4alpha,4aalpha,5aalpha,6beta,12aalpha))- (9 CI)

Fluate
Ethylene, trichloro- (8 CI); Ethene, trichloro- (9 CI)

FMC 30980
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methyl ester

FMC 33297
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

FMC 41655
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

Fosofos
Phosphonodithioic acid, ethyl-, O-ethyl S-phenyl ester

Fungifen
Phenol, pentachloro-

Furadan
Carbamic acid, methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester (8 CI); 7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate (9 CI)

Furadan 3G
Carbamic acid, methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester (8 CI); 7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate (9 CI)

Fuxal
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

GC 1283
1,3,4-Metheno-1H-cyclobuta(cd)pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-

Geniphene
Toxaphene

Germalgene
Ethylene, trichloro- (8 CI); Ethene, trichloro- (9 CI)

Gesabd
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

Gesarol
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

Glucinium
Beryllium

Grey arsenic
Arsenic

Grundier Arbezol
Phenol, pentachloro-

Guaranine
Caffeine (8 CI); 1H-Purine-2,6-dione, 3,7-dihydro-1,3,7-trimethyl- (9 CI)

HCB
Benzene, hexachloro-

HCE
4,7-Methanoindan, 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro- (8 CI); 2,5-Methano-2H-indeno(1,2-b)oxirene, 2,3,4,5,6,7,7-heptachloro-1a,1b,5,5a,6,6a-hexahydro- (9 CI)

HEOD
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)

Heptachlor epoxide
4,7-Methanoindan, 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro- (8 CI); 2,5-Methano-2H-indeno(1,2-b)oxirene, 2,3,4,5,6,7,7-heptachloro-1a,1b,5,5a,6,6a-hexahydro- (9 CI)

Hercules 3956
Toxaphene

Hexachlorobenzene
Benzene, hexachloro-

Hexachlorocyclopentadiene dimer
1,3,4-Metheno-1H-cyclobuta(cd)pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-

Hexadrin
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,endo- (8 CI); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)- (9 CI)

Hexazinone
1,3,5-Triazine-2,4(1H,3H)-dione, 3-cyclohexyl-6-(dimethylamino)-1-methyl-

HHDN
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, endo,exo- (8 CI); 1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4abeta,5alpha,8alpha,8abeta)- (9 CI)

HOE 2,671
5-Norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro-, cyclic sulfite (8 CI); 6,9-Methano-2,4,3-benzodioxathiepan, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide (9 CI)

Hydroxybenzene
Phenol

ICI-PP 557
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

Illoxol
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)

IMI 115
Titanium

IMI 130
Titanium

Imperator
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methyl ester

Insectlack
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)

Intox
Chlordane

Intox [insecticide]
Chlordane

Iron
Iron

Ivoran
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

Izal
Phenol

JF 5705F
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methyl ester

JI8TP 28
Titanium

Julin's carbon chloride
Benzene, hexachloro-

Kafar copper
Copper

Kafil
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

Kafil Super
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methyl ester

Kamfochlor
Toxaphene

Kelametazine
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Kestrel [pesticide]
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

Koffein
Caffeine (8 CI); 1H-Purine-2,6-dione, 3,7-dihydro-1,3,7-trimethyl- (9 CI)

Kombi-Albertan
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)

Kortofil
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, endo,exo- (8 CI); 1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4abeta,5alpha,8alpha,8abeta)- (9 CI)

KS-4
Lead

Kypchlor
Chlordane

L 3
Silver

L-36352
p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI); Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI)

Lauxtol
Phenol, pentachloro-

Lead
Lead

Lead Flake
Lead

Lead 82
Lead

Liroprem
Phenol, pentachloro-

Loha
Iron

M 1
Copper

M 3
Copper

M 4
Copper

M 5055
Toxaphene

Madribon
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

Madrigid
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

Madriqid
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

Madroxin
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

Madroxine
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

Malix
5-Norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro-, cyclic sulfite (8 CI); 6,9-Methano-2,4,3-benzodioxathiepan, 6,7,8,9,10,10-hexachloro-1, 5,5a,6,9,9a-hexahydro-, 3-oxide (9 CI)

Manganese
Manganese

Mateina
Caffeine (8 CI); 1H-Purine-2,6-dione, 3,7-dihydro-1,3,7-trimethyl- (9 CI)

MChVL
Molybdenum

Necuzine
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

Mefanal
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Melipax
Toxaphene

Mendrin
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,endo- (8 CI); 2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)- (9 CI)

Mercury
Mercury

Mermeth
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Metallic arsenic
Arsenic

Metallic tin
Tin

Methacide
Toluene (8 CI); Benzene, methyl- (9 CI)

Methane, diphenylene-
Fluorene (8 CI); 9H-Fluorene (9 CI)

Methyl mercury ion
Mercury(1+), methyl-, ion (8 CI); Mercury(1+), methyl- (9 CI)

Methyl pentachlorophenate
Anisole, 2,3,4,5,6-pentachloro- (8 CI); Benzene, pentachloromethoxy- (9 CI)

Methyl pentachlorophenyl ether
Anisole, 2,3,4,5,6-pentachloro- (8 CI); Benzene, pentachloromethoxy- (9 CI)

Methylbenzene
Toluene (8 CI); Benzene, methyl- (9 CI)

Methylbenzol
Toluene (8 CI); Benzene, methyl- (9 CI)

Methylmercury
Mercury(1+), methyl-, ion (8 CI); Mercury(1+), methyl- (9 CI)

Methylmercury ion(1+)
Mercury(1+), methyl-, ion (8 CI); Mercury(1+), methyl- (9 CI)

Methylmercury(II) cation
Mercury(1+), methyl-, ion (8 CI); Mercury(1+), methyl- (9 CI)

Methylmercury(1+)
Mercury(1+), methyl-, ion (8 CI); Mercury(1+), methyl- (9 CI)

Methylnaphthalene
Naphthalene, methyl-

Methyltheobromine
Caffeine (8 CI); 1H-Purine-2,6-dione, 3,7-dihydro-1,3,7-trimethyl- (9 CI)

Metoxidon
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

Me1700
Ethane, 1,1-dichloro-2,2-bis(p-chlorphenyl)- (8 CI); Benzene, 1,1'-(2,2-dichlorovethylidene)bis(4-chloro- (9 CI)

Miboleron
Estr-4-en-3-one, 17-hydroxy-7,17-dimethyl-, (7alpha,17beta)-

Miboleronе
Estr-4-en-3-one, 17-hydroxy-7,17-dimethyl-, (7alpha,17beta)-

Mirex
1,3,4-Metheno-1H-cyclobuta[cd]pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-

Molybdenum
Molybdenum

Monohydroxybenzene
Phenol

Monophenol
Phenol

Moth flakes
Naphthalene

Moth Snub D
1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI); 2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)

Mutoxan
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

M1 [copper]
Copper

M2 [copper]
Copper

M3 [copper]
Copper

M38
Copper

M31
Copper

M4 [copper]
Copper

N 2780
Phosphorodithioic acid, ethyl-, O-ethyl S-phenyl ester

N(1)-(4,6-Dimethyl-2-pyrimidinyl)sulfanilamide
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (9 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

N(1)-(4,6-Dimethyl-2-pyrimidyl)sulfanilamide
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

N-(((4-chlorophenyl)amino)carbonyl-2,6-difluorobenzamide
Benzamide, N-(((4-chlorophenyl)amino)carbonyl-2,6-difluoro-

N-(4,6-Dimethyl-2-pyrimidyl)sulfanilamide
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfona...-da, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

N-Benzyl-N-ethyl-m-toluidine
m-Toluidine, N-benzyl-N-ethyl- (8 CI); Benzenemethanamine, N-ethyl-N-(3-methylphenyl)- (9 CI)

N-Benzyl-N-ethyl-3-methylaniline
m-Toluidine, N-benzyl-N-ethyl- (8 CI); Benzenemethanamine, N-ethyl-N-(3-methylphenyl)- (9 CI)

N-Benzyl-N-ethylaniline
Benzylamine, N-ethyl-N-phenyl- (8 CI); Benzenemethanamine, N-ethyl-N-phenyl- (9CI)

n-Cetane
Hexadecane

n-C13
Tridecane

n-C20
Eicosane

n-Dodecane
Dodecane

N-Ethyl-N-(m-tolyl)benzylamine
m-Toluidine, N-benzyl-N-ethyl- (8 CI); Benzenemethanamine, N-ethyl-N-(3-methylphenyl)- (9 CI)

N-Ethyl-N-benzyl-m-toluidine
m-Toluidine, N-benzyl-N-ethyl- (8 CI); Benzenemethanamine, N-ethyl-N-(3-methylphenyl)- (9 CI)

N-Ethyl-N-benzylaniline
Benzylamine, N-ethyl-N-phenyl- (8 CI); Benzenemethanamine, N-ethyl-N-phenyl- (9CI)

N-Ethyl-N-phenylbenzylamine
Benzylamine, N-ethyl-N-phenyl- (8 CI); Benzenemethanamine, N-ethyl-N-phenyl- (9CI)

n-Heptadecane
Heptadecane

n-Hexadecane
Hexadecane

n-Nonadecane
Nonadecane

n-Octadecane
Octadecane

n-Pentadecane
Pentadecane

n-Tetradecane
Tetradecane

n-Tridecane
Tridecane

Naphthalidam
1-Naphthylamine (8 CI); 1-Naphthalenamine (9 CI)

Naphthalidine
1-Naphthylamine (8 CI); 1-Naphthalenamine (9 CI)

Naphthaline
Naphthalene

Naphthene
Naphthalene

Narcogen
Ethylene, trichloro- (8 CI); Ethene, trichloro- (9 CI)

Narkosoid
Ethylene, trichloro- (8 CI); Ethene, trichloro- (9 CI)

Neazina
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Neazina
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Nema
Ethylene, tetrachloro- (8 CI); Ethene, tetrachloro- (9 CI)

Neocid
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

Neocidal
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

Ni 0901-S(Harshaw)
Nickel

Ni 270
Nickel

Ni 4303T
Nickel

NIA 10242
Carbamic acid, methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester (8 CI); 7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate (9 CI)

NIA 33297
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

Niagara 10242
Carbamic acid, methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester (8 CI); 7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate (9 CI)

Niagra 5,462
5-Norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro-, cyclic sulfite (8 CI); 6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide (9 CI)

Nickel
Nickel

Nickel NP2
Nickel

Nickel 270
Nickel

Nitran
p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI); Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI)

No Bunt
Benzene, hexachloro-

No Bunt Liquid
Benzene, hexachloro-

No Bunt 40
Benzene, hexachloro-

No Bunt 80
Benzene, hexachloro-

No-Doz
Caffeine (8 CI); 1H-Purine-2,6-dione, 3,7-dihydro-1,3,7-trimethyl- (9 CI)

Nonachlor, cis
4,7-Methanoindan, 1alpha,2alpha,3alpha,4beta,5,6,7beta,8,8-nonachloro-3aalpha,4,7,7-aalpha-tetrahydro- (8 CI); 4,7-Methano-1H-indene, 1,2,3,4,5,6,7,8,8-nonachloro-2,3,3a,4,7,7a-hexahydro-(1alpha,2alpha,3alpha,3aalpha,4beta,7alpha- (9 CI)

Nonylcyclohexane
Nonane, 1-cyclohexyl- (8 CI); Cyclohexane, nonyl- (9 CI)

Norphytane
Pentadecane, 2,6,10,14-tetramethyl-

NP2
Nickel

NRDC 143
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

NRDC 149
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methyl ester

NRDC 166
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methyl ester

O-Aethyl-S-phenyl-aethyl-dithiophosphonat
Phosphonodithioic acid, ethyl-, O-ethyl S-phenyl ester

O-Ethyl S-phenyl ethyldithiophosphonate
Phosphonodithioic acid, ethyl-, O-ethyl S-phenyl ester

O-Ethyl-S-phenyl ethylphosphonodithioate
Phosphonodithioic acid, ethyl-, O-ethyl S-phenyl ester

O,S-Dimethyl acetylphosphoramidothioate
Phosphoramidothioic acid, acetyl-, O,S-dimethyl ester

O,S-Dimethyl N-acetylphosphoramidothioate
Phosphoramidothioic acid, acetyl-, O,S-dimethyl ester

O,S-Dimethyl N-acetylphosphoramidothiolate
Phosphoramidothioic acid, acetyl-, O,S-dimethyl ester

Octa-Klor
Chlordane

Octachlor epoxide
4,7-Methanoindan, 1,2,4,5,6,7,8,8-octachloro-1,2-epoxy-3a,4,7,7a-tetrahydro- (8 CI); 2,5-Methano-2H-indeno[1,2-b]oxirene, 1a,2,3,4,5,5a,7,7-octachloro-1a,1b,5,5a,6,6a-hexahydro- (9 CI)

Octalene
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, endo,exo- (8 CI); 1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4abeta,5alpha,8alpha,8abeta)- (9 CI)

Octalox
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI); 2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,3a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI)

Octylcyclohexane
Octane, 1-cyclohexyl- (8 CI); Cyclohexane, octyl- (9 CI)

OFHC Cu
Copper

Oktanex
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,endo- (8 CI); 2,7:3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,3a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)- (9 CI)

Oltref
p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI); Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI)

Omnibon
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

OMS 1804
Benzamide, N-(((4-chlorophenyl)amino)carbonyl)-2,6-difluoro-

OMS 1821
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

OMS 2002
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methyl ester

OMS 570
5-Norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro-, cyclic sulfite (8 Cl); 6,9-Methano-2,4,3-benzodioxathiepan, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide (9 Cl)

OMS 864
Carbamic acid, methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester (8 Cl); 7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate (9 Cl)

Orthene
Phosphoramidothioic acid, acetyl-, O,S-dimethyl ester

Orthene-755
Phosphoramidothioic acid, acetyl-, O,S-dimethyl ester

Ortran
Phosphoramidothioic acid, acetyl-, O,S-dimethyl ester

Outfank
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

Oxybenzene
Phenol

Oxychlordan
4,7-Methanoindan, 1,2,4,5,6,7,8,8-octachloro-1,2-epoxy-3a,4,7,7a-tetrahydro- (8 Cl); 2,5-Methano-2H-indeno(1,2-b)oxirene, 1a,2,3,4,5,6a,7,7-octachloro-1a,1b,5,5a,6,6a-hexahydro- (9 Cl)

Oxychlordane
4,7-Methanoindan, 1,2,4,5,6,7,8,8-octachloro-1,2-epoxy-3a,4,7,7a-tetrahydro- (8 Cl); 2,5-Methano-2H-indeno(1,2-b)oxirene, 1a,2,3,4,5,6a,7,7-octachloro-1a,1b,5,5a,6,6a-hexahydro- (9 Cl)

p,p'-DDD
Ethane, 1,1-dichloro-2,2-bis(p-chlorphenyl)- (8 Cl); Benzene, 1,1'-(2,2-dichloroethylidene)bis(4-chloro- (9 Cl)

p,p'-DDE
Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 Cl); Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 Cl)

p,p'-DDT
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 Cl); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 Cl)

p,p'-Dichlorodiphenyl-2,2-dichloroethylene
Ethane, 1,1-dichloro-2,2-bis(p-chlorphenyl)- (8 Cl); Benzene, 1,1'-(2,2-dichloroethylidene)bis(4-chloro- (9 Cl)

p,p'-Dichlorodiphenyldichloroethane
Ethane, 1,1-dichloro-2,2-bis(p-chlorphenyl)- (8 Cl); Benzene, 1,1'-(2,2-dichloroethylidene)bis(4-chloro- (9 Cl)

p,p'-Dichlorodiphenyldichloroethylene
Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 Cl); Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 Cl)

p,p'-Dichlorodiphenyltrichloroethane
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 Cl); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 Cl)

p,p'-TDE
Ethane, 1,1-dichloro-2,2-bis(p-chlorphenyl)- (8 Cl); Benzene, 1,1'-(2,2-dichloroethylidene)bis(4-chloro- (9 Cl)

Parachlorocidum
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 Cl); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 Cl)

Paramex
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 Cl); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 Cl)

PCB
Biphenyl, chloro (6 Cl); 1,1'-Biphenyl, chloro derivs (9 Cl)

PCB 1254
Arochlor 1254

PCB 1260
Arochlor 1260

PChK
Toxaphene

PCP
Phenol, pentachloro-

PDL 60401
Benzamide, N-(((4-chlorophenyl)amino)carbonyl)-2,6-difluoro-

PEBI
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 Cl); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 Cl)

Penchlorol
Phenol, pentachloro-

Penphene
Toxaphene

Penta
Phenol, pentachloro-

Pentachlorin
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 Cl); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 Cl)

Pentachloroanisole
Anisole, 2,3,4,5,6-pentachloro- (8 Cl); Benzene, pentachloromethoxy- (9 Cl)

Pentachloromethoxybenzene
Anisole, 2,3,4,5,6-pentachloro- (8 Cl); Benzene, pentachloromethoxy- (9 Cl)

Pentachlorophenol
Phenol, pentachloro-

Pentachlorophenyl chloride
Benzene, hexachloro-

Pentachlorophenyl methyl ether
Anisole, 2,3,4,5,6-pentachloro- (8 Cl); Benzene, pentachloromethoxy- (9 Cl)

Penticidum
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 Cl); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 Cl)

Perchlorethylene
Ethylene, tetrachloro- (8 Cl); Ethane, tetrachloro- (9 Cl)

Perchlorobenzene
Benzene, hexachloro-

Perchlorodihomocubane
1,3,4-Metheno-1H-cyclobuta[cd]pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-

Perchloroethylene
Ethylene, tetrachloro- (8 Cl); Ethane, tetrachloro- (9 Cl)

Perchloropentacyclo[5.2.1.0(2,6).0(3,9).0(5,8)]decane
1,3,4-Metheno-1H-cyclobuta[cd]pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-

Perchloropentacyclodecane
1,3,4-Metheno-1H-cyclobuta[cd]pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-

Perclene
Ethylene, tetrachloro- (8 CI); Ethene, tetrachloro- (9 CI)

Perigen
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

Permasan
Phenol, pentachloro-

Permasect
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

Permethrin
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

Permetrin
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

Permigen W
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

PerSec
Ethylene, tetrachloro- (8 CI); Ethene, tetrachloro- (9 CI)

Persulfen
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

Perthrine
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

PH 60-40
Benzamide, N-(((4-chlorophenyl)amino)carbonyl)-2,6-difluoro-

Phenacide
Toxaphene

Phenanthrene
Phenanthrene

Phenatox
Toxaphene

Phenic acid
Phenol

Phenol
Phenol

Phenvalerate
Benzeneacetic acid, 4-chloro-alpha-(1-methylethyl)-, cyano(3-phenoxyphenyl)methyl ester

Phenyl hydrate
Phenol

Phenyl hydroxide
Phenol

Phenylethylbenzylamine
Benzylamine, N-ethyl-N-phenyl- (8 CI); Benzenemethanamine, N-ethyl-N-phenyl- (9CI)

Phenylic acid
Phenol

Phenylic alcohol
Phenol

Phenylmethane
Toluene (8 CI); Benzene, methyl- (9 CI)

Photomirex
1,3,4-Metheno-1H-cyclobuta(cd)pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b-undecachlorooctahydro-

Phytane
Hexadecane, 2,6,10,14-tetramethyl-

Pirmazin
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Polychlorocamphene
Toxaphene

Pounce
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

PP 383
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methyl ester

PP 557
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

Pristane
Pentadecane, 2,6,10,14-tetramethyl-

Pydrin
Benzeneacetic acid, 4-chloro-alpha-(1-methylethyl)-, cyano(3-phenoxyphenyl)methyl ester

PZh-1M3
Iron

PZh-2
Iron

PZh1M1
Iron

PZh2M
Iron

PZh2M1
Iron

PZh2M2
Iron

PZh3
Iron

PZh3M
Iron

PZh4M
Iron

Qamlin
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

Quicksilver
Mercury

R 20
Chloroform (8 CI); Methane, trichloro- (9 CI)

R 20 [refrigerant]
Chloroform (8 CI); Methane, trichloro- (9 CI)

Raney alloy
Nickel

Raney copper
Copper

Raney nickel
Nickel

RCH 55/5
Nickel

RE 12420
Phosphoramidothioic acid, ace, l-, O,S-dimethyl ester

Red Shield
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 Cl); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 Cl)

Redifal
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

Refresh'n
Caffeine (8 Cl); 1H-Purine-2,6-dione, 3,7-dihydro-1,3,7-trimethyl- (9 Cl)

Regulus of antimony
Antimony

Rhothane
Ethane, 1,1-dichloro-2,2-bis(p-chlorphenyl)- (8 Cl); Benzene, 1,1'-(2,2-dichloroethylidene)bis(4-chloro- (9 Cl)

Ripcord
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methyl ester

S 3151
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

S 5602
Benzeneacetic acid, 4-chloro-alpha-(1-methylethyl)-, cyano(3-phenoxyphenyl)methyl ester

S-Mex
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 Cl); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 Cl)

Sanocide
Benzene, hexachloro-

Santophen 20
Phenol, pentachloro-

SBP 1513
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

SBP 1513ITEC
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

Scandiail
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

SD 2794
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, endo,exo- (8 Cl); 1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4abeta,5alpha,8alpha,8abeta)- (9 Cl)

SD 3417
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 Cl); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 Cl)

SD 3419
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,endo- (8 Cl); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)- (9 Cl)

SD 43775
Benzeneacetic acid, 4-chloro-alpha-(1-methylethyl)-, cyano(3-phenoxyphenyl)methyl ester

SDM
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

SDMO
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

Seedrin
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, endo,exo- (8 CI); 1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4abeta,5alpha,8alpha,8abeta)- (9 CI)

Selenium
Selenium

Shell Silver
Silver

Silfake 135
Silver

Silver
Silver

Silver atom
Silver

Silver Matt Powder
Tin

Silver metal
Silver

Smelloff-Cutter Titanium
Titanium

Snieciotox
Benzene, hexachloro-

Spanbolet
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Sr 999
Silver

Stauffer N 2790
Phosphonodithioic acid, ethyl-, O-ethyl S-phenyl ester

Stibium
Antimony

Stim
Caffeine (8 CI); 1H-Purine-2,6-dione, 3,7-dihydro-1,3,7-trimethyl- (9 CI)

Stockade
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

Stomoxin
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

Stomoxin P
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

Strobane T
Toxaphene

Strontium
Strontium

Sodine
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

Sulfadimerazine
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Sulfadimesin
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Sulfadimesine
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Sulfadimethoxin
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

Sulfadimethoxine
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

Sulfadimethoxydiazine
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

Sulfadimethyldiazine
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Sulfadimethylpyrimidine
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Sulfadimetoxin
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

Sulfadimexin
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Sulfadimezine
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Sulfadimidin
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Sulfadimidine
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Sulfadine
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Sulfamethazine
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Sulfamethiazine
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Sulfamezathine
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Sulfanilamide, N(1)-(2,6-dimethoxy-4-pyrimidinyl)-
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

Sulfastop
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

Sulfix
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Sulfodimesin
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Sulfodimezine
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Sulfoplan
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

Sulmet
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Sulphadimethoxine
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

Sulphadimethylpyrimidine
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Sulphadimidine
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Sulphamethazine
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Sulphamethazine
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Sulphamezathine
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Sulphamidine
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Sulphodimezine
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Sulxin
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

Sumicidin
Benzeneacetic acid, 4-chloro-alpha-(1-methylethyl)-, cyano(3-phenoxyphenyl)methyl ester

Superseptil
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Superseptyl
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

SUY B-2
Iron

Symbio
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)-

Synthetic 3956
Toxaphene

80
Lead

81
Lead

t-Decalin
Naphthalene, decahydro-, trans-

Tafidex
Ethane, 1,1,1-trichloro-2,2-bis(4-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

Talcord
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

Tar camphor
Naphthalene

Tetuzinho
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, endo,exo- (8 CI); 1,4:5,8-Dimethanonaphthalene, 1,2,3,4, 10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4abeta,5alpha,8alpha,8abeta)- (9 CI)

TCDBD
Dibenzo-p-dioxin, 2,3,7,8-tetrachloro- (8 CI); Dibenzo(b,e)(1,4)dioxin, 2,3,7,8-tetrachloro- (9 CI)

TCDD
Dibenzo-p-dioxin, 2,3,7,8-tetrachloro- (8 CI); Dibenzo(b,e)(1,4)dioxin, 2,3,7,8-tetrachloro- (9 CI)

TDE
Ethane, 1,1-dichloro-2,2-bis(p-chlorphenyl)- (8 CI); Benzene, 1,1'-(2,2-dichloroethylidene)bis(4-chloro- (9 CI)

Technical Chlordane
Chlordane

Tellurium
Tellurium

Teltlen
Ethylene, tetrachloro- (8 CI); Ethene, tetrachloro- (9 CI)

Termitox
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7 epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta, 7aalpha)- (9 CI)

Tetracap
Ethylene, tetrachloro- (8 CI); Ethene, tetrachloro- (9 CI)

Tetrachlorethylene
Ethylene, tetrachloro- (8 CI); Ethene, tetrachloro- (9 CI)

Tetrachlorodiphenyl ethane
Ethane, 1,1-dichloro-2,2-bis(p-chlorphenyl)- (8 CI); Benzene, 1,1'-(2,2-dichloroethylidene)bis(4-chloro- (9 CI)

Tetrachloroethene
Ethylene, tetrachloro- (8 CI); Ethene, tetrachloro- (9 CI)

Tetrachloroethylene
Ethylene, tetrachloro- (8 CI); Ethene, tetrachloro- (9 CI)

Tetraguer
Ethylene, tetrachloro- (8 CI); Ethene, tetrachloro- (9 CI)

Tetralene
Naphthalene, 1,2,3,4-tetrahydro-

Tetraleno
Ethylene, tetrachloro- (8 CI); Ethene, tetrachloro- (9 CI)

Tetralin
Naphthalene, 1,2,3,4-tetrahydro-

Tetropil
Ethylene, tetrachloro- (8 CI); Ethene, tetrachloro- (9 CI)

TH 60-40
Benzamide, N-(((4-chlorophenyl)amino)carbonyl-2,6-difluoro-

Thein
Caffeine (8 CI); 1H-Purine-2,6-dione, 3,7-dihydro-1,3,7-trimethyl- (9 CI)

Theine
Caffeine (8 CI); 1H-Purine-2,6-dione, 3,7-dihydro-1,3,7-trimethyl- (9 CI)

Thimul
5-Norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro-, cyclic sulfite (8 CI); 6,9-Methano-2,4,3-benzodioxathiepan, 6,7,8,9,10,10-hexachloro-1, 5,5a,6,9,9a-hexahydro-, 3-oxide (9 CI)

Thiodan
5-Norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro-, cyclic sulfite (8 CI); 6,9-Methano-2,4,3-benzodioxathiepan, 6,7,8,9,10,10-hexachloro-1, 5,5a,6,9,9a-hexahydro-, 3-oxide (9 CI)

Thionex
5-Norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro-, cyclic sulfite (8 CI); 6,9-Methano-2,4,3-benzodioxathiepan, 6,7,8,9,10,10-hexachloro-1, 5,5a,6,9,9a-hexahydro-, 3-oxide (9 CI)

Threthylen
Ethylene, trichloro- (8 CI); Ethene, trichloro- (9 CI)

Threthylene
Ethylene, trichloro- (8 CI); Ethene, trichloro- (9 CI)

Ti 40A
Titanium

Ti 50A
Titanium

Ti 75A
Titanium

Tin
Tin

Tin Flake
Tin

Tin Powder
Tin

Tionex
5-Norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro-, cyclic sulfite (8 CI); 6,9-Methano-2,4,3-benzodioxathiepan, 6,7,8,9,10,10-hexachloro-1, 5,5a,6,9,9a-hexahydro-, 3-oxide (9 CI)

Tipula
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, endo,exo- (8 CI); 1,4:5,8-Dimethanonaphthalene, 1,2,3,4, 10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4abeta,5alpha,8alpha,8abeta)- (9 CI)

Titan VT 1-1
Titanium

Titanium
Titanium

Titanium A-40
Titanium

Titanium VT1
Titanium

Titanium 50A
Titanium

Titanium-125
Titanium

Ti40
Titanium

Tocopherol
Tocopherol

Toluene
Toluene (8 CI); Benzene, methyl- (9 CI)

Toluol
Toluene (8 CI); Benzene, methyl- (9 CI)

Toxakil
Toxaphene

Toxaphen
Toxaphene

Toxichlor
Chlordane

Toxyphen
Toxaphene

Trans-decalin
Naphthalene, decahydro-, trans-

trans-Nonachlor
4,7-Methano-1H-indene, 1,2,3,4,5,6,7,8,8-nonachloro-2,3,3a,4,7,7a-hexahydro-, (1alpha,2beta,3alpha,3aalpha,4beta,7beta,7aalpha)-

Trefanocide
p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI); Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI)

Trefan
p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI); Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI)

Trethylene
Ethylene, trichloro- (8 CI); Ethene, trichloro- (9 CI)

Tri
Ethylene, trichloro- (8 CI); Ethene, trichloro- (9 CI)

Tri-chlortetracycline
2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo- (8 CI); 2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, (4S-(4alpha,4aalpha,5aalpha,6beta,12aalpha))- (9 CI)

Tri-Clene
Ethylene, trichloro- (8 CI); Ethene, trichloro- (9 CI)

Trichloran
Ethylene, trichloro- (8 CI); Ethene, trichloro- (9 CI)

Trichloren
Ethylene, trichloro- (8 CI); Ethene, trichloro- (9 CI)

Trichlorobis(4'-chlorophenyl)ethane
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro- (9 CI)

Trichloroethene
Ethylene, trichloro- (8 CI); Ethene, trichloro- (9 CI)

Trichloroethylene
Ethylene, trichloro- (8 CI); Ethene, trichloro- (9 CI)

Trichloroform
Chloroform (8 CI); Methane, trichloro- (9 CI)

Trichloromethane
Chloroform (8 CI); Methane, trichloro- (9 CI)

Triclene Anamenth
Ethylene, trichloro- (8 CI); Ethene, trichloro- (9 CI)

Trielene
Ethylene, trichloro- (8 CI); Ethene, trichloro- (9 CI)

Trifluran
p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI); Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI)

Trifluralin
p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI); Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI)

Trifluraline
p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI); Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI)

Trikepin
p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI); Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI)

Trilen
Ethylene, trichloro- (8 CI); Ethene, trichloro- (9 CI)

Trilene
Ethylene, trichloro- (8 CI); Ethene, trichloro- (9 CI)

Trimar
Ethylene, trichloro- (8 CI); Ethene, trichloro- (9 CI)

TsM1
Molybdenum

T280
Titanium

T40
Titanium

T90
Titanium

U 10997
Estr-4-en-3-one, 17-hydroxy-7,17-dimethyl-, (7alpha,17beta)-

Unexan-Keeder
Chlordane

Urea, 1-(m-chlorophenyl)-3-(2-(diethylamino)ethyl-2-thio-
Benzamide, N-(((4-chlorophenyl)amino)carbonyl-2,6-difluoro-

Uromycin
2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo- (8 CI); 2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, (4S-(4alpha,4aalpha,5aalpha,6beta,12aalpha))- (9 CI)

V 9
Silver

Vanadium
Vanadium

Vanadium-51
Vanadium

Velpar
1,3,5-Triazine-2,4(1H,3H)-dione, 3-cyclohexyl-6-(dimethylamino)-1-methyl-

Velpar L
1,3,5-Triazine-2,4(1H,3H)-dione, 3-cyclohexyl-6-(dimethylamino)-1-methyl-

Velsicol 1068
Chlordane

Velsicol 53-CS-17
4,7-Methanoindan, 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro- (9 CI); 2,5-Methano-2H-indeno(1,2-b)oxirene, 2,3,4,5,6,7,7-heptachloro-1a,1b,5,5a,6,6a-hexahydro- (9 CI)

Vertolan
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

Vertolin
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

VT 1
Titanium

VT 1 L
Titanium

VT 1-0
Titanium

VT 1-1
Titanium

VT 1-2
Titanium

Vt-1D
Titanium

Wang
Tin

Westrosol
Ethylene, trichloro- (8 CI); Ethene, trichloro- (9 CI)

White tar
Naphthalene

WL 43467
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methyl ester

WL 43479
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester

WL 43775
Benzeneacetic acid, 4-chloro-alpha-(1-methylethyl)-, cyano(3-phenoxyphenyl)methyl ester

Zerdane
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

Zinc
Zinc

1-(4-Chlorophenyl)-3-(2,6-difluorobenzoyl)urea
Benzamide, N-(((4-chlorophenyl)amino)carbonyl-2,6-difluoro-

1-Aminonaphthalene
1-Naphthylamine (8 CI); 1-Naphthalenamine (9 CI)

1-Naphthalamine
1-Naphthylamine (8 CI); 1-Naphthalenamine (9 CI)

1,1-Bis(p-chlorophenyl)-2,2-dichloroethane
Ethane, 1,1-dichloro-2,2-bis(p-chlorphenyl)- (8 CI); Benzene, 1,1'-(2,2-dichloroethylidene)bis(4-chloro- (9 CI)

1,1-Bis(p-chlorophenyl)-2,2,2-trichloroethane
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

1,1-Bis(4-chlorophenyl)-2,2-dichloroethane
Ethane, 1,1-dichloro-2,2-bis(p-chlorphenyl)- (8 CI); Benzene, 1,1'-(2,2-dichloroethylidene)bis(4-chloro- (9 CI)

1,1-Dichloro-2,2-bis(p-chlorophenyl)ethane
Ethane, 1,1-dichloro-2,2-bis(p-chlorphenyl)- (8 CI); Benzene, 1,1'-(2,2-dichloroethylidene)bis(4-chloro- (9 CI)

1,1-Dichloro-2,2-bis(p-chlorophenyl)ethylene
Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)

1,1-Dichloro-2,2-bis(4-chlorophenyl)ethane
Ethane, 1,1-dichloro-2,2-bis(p-chlorphenyl)- (8 CI); Benzene, 1,1'-(2,2-dichloroethylidene)bis(4-chloro- (9 CI)

1,1-Dichloro-2,2-di(p-chlorophenyl)ethylene
Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)

1,1,1-Trichloro-2,2-bis(p-chlorophenyl)ethane
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

1,1,1-Trichloro-2,2-bis(4,4'-dichlorodiphenyl)ethane
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

1,1,2,2-Tetrachloroethylene
Ethylene, tetrachloro- (8 CI); Ethene, tetrachloro- (9 CI)

1,2,3,4,7,7-hexachloro-bicyclo[2.2.1]-2-heptene-5,6-bisoxymethylene sulfite
5-Norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro-, cyclic sulfite (9 CI); 6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide (9 CI)

1,2,4,5,6,7,8,8-Octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methanoindene
Chlordane

1,2,4,5,6,7,8,8-Octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan
Chlordane

1,2,4,5,6,7,8,8-Octachloro-4,7-methano-3a,4,7,7a-tetrahydroindane
Chlordane

1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-, dimer
1,3,4-Metheno-1H-cyclobuta[cd]pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-

1,3,5-Trimethylnaphthalene
Naphthalene, 1,3,5-trimethyl-

1,3,7-Trimethyl-2,6-dioxopurine
Caffeine (8 CI); 1H-Purine-2,6-dione, 3,7-dihydro-1,3,7-trimethyl- (9 CI)

1,3,7-Trimethylxanthine
Caffeine (8 CI); 1H-Purine-2,6-dione, 3,7-dihydro-1,3,7-trimethyl- (9 CI)

1,5-Dimethylnaphthalene
Naphthalene, 1,5-dimethyl-

17-beta-Hydroxy-7-alpha, 17-dimethylestr-4-en-3-one
Estr-4-en-3-one, 17-hydroxy-7,17-dimethyl-, (7alpha,17beta)-

1721 Gold
Copper

2-(p-Aminobenzenesulfonamido)-4,6-dimethylpyrimidine
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

2-Ethylnaphthalene
Naphthalene, 2-ethyl-

2-Sulfanilamido-4,6-dimethylpyrimidine
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

2,2-Bis(p-chlorophenyl)-1,1,1-trichloroethane
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

2,2-Bis(4-chlorophenyl)-1,1-dichloroethane
Ethane, 1,1-dichloro-2,2-bis(p-chlorphenyl)- (8 CI); Benzene, 1,1'-(2,2-dichloroethylidene)bis(4-chloro- (9 CI)

2,2-Bis(4-chlorophenyl)-1,1-dichloroethylene
Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)

2,3-Dimethyl-7-coumaranyl N-methylcarbamate
C···bamic acid, methyl-, 2,3-dihydro-2,2-dimethyl-7-b···nofuranyl ester (8 CI); 7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate (9 CI)

2,3-Dihydro-2,2-dimethyl-7-benzofuranyl methylcarbamate
Carbamic acid, methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester (8 CI); 7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate (9 CI)

2,3,4,5,6-Pentachloroaniline
Aniline, 2,3,4,5,6-pentachloro- (8 CI); Benzene, pentachloroamino- (9 CI)

2,3,6,7-Tetrachlorodibenzo-p-dioxin
Dibenzo-p-dioxin, 2,3,7,8-tetrachloro- (8 CI); Dibenzo[b,e][1,4]dioxin, 2,3,7,8-tetrachloro- (9 CI)

2,3,7,8-TCDD
Dibenzo-p-dioxin, 2,3,7,8-tetrachloro- (8 CI); Dibenzo[b,e][1,4]dioxin, 2,3,7,8-tetrachloro- (9 CI)

2,3,7,8-Tetrachlorodibenzo-(b,e)(1,4)dioxan
Dibenzo-p-dioxin, 2,3,7,8-tetrachloro- (8 CI); Dibenzo[b,e][1,4]dioxin, 2,3,7,8-tetrachloro- (9 CI)

2,3,7,8-Tetrachlorodibenzo-p-dioxin
Dibenzo-p-dioxin, 2,3,7,8-tetrachloro- (8 CI); Dibenzo[b,e][1,4]dioxin, 2,3,7,8-tetrachloro- (9 CI)

2,3,7,8-Tetrachlorodibenzo-1,4-dioxin
Dibenzo-p-dioxin, 2,3,7,8-tetrachloro- (8 CI); Dibenzo[b,e][1,4]dioxin, 2,3,7,8-tetrachloro- (9 CI)

3-(N-Benzyl-N-ethylamino)methylbenzene
m-Toluidine, N-benzyl-N-ethyl- (9 CI); Benzenemethanamine, N-ethyl-N-(3-methylphenyl)- (9 CI)

3-(N-Benzyl-N-ethylamino)toluene
m-Toluidine, N-benzyl-N-ethyl- (9 CI); Benzenemethanamine, N-ethyl-N-(3-methylphenyl)- (9 CI)

3,4-Benz(a)pyrene
Benzo(a)pyrene

3,4-Benzopyrene
Benzo(a)pyrene

3,4-Benzopyrene [carcinogen]
Benzo(a)pyrene

4,4'-DDD
Ethane, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2-dichloroethylidene)bis(4-chloro- (9 CI)

4,4'-DDE
Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (9 CI); Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI)

4,4'-Dichlorodiphenyltrichloroethane
Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI)

4,6-Dimethyl-2-sulfanilamidopyrimidine
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI); Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI)

7-Chlorotetracycline
2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo- (8 CI); 2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, (4S-(4alpha,4aalpha,5aalpha,6beta,12aalpha))- (9 CI)

7-Chlortetracycline
2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo- (8 CI); 2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, (4S-(4alpha,4aalpha,5aalpha,6beta,12aalpha))- (9 CI)

75A
Titan···m

8-Hydromirex
1,3,4-Metheno-1H-cyclobuta[cd]pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b-undecachlorooctahydro-

8-Monohydromirex

1,3,4-Metheno-1H-cyclobuta[cd]pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b-undecachlorooctahydro-

APPENDIX E

ANIMALS, TISSUES, AND BODY FLUIDS IN DATA BASE

(1981–1983)

ANIMALS

Antelope, pronghorn
Ark shell
Avocet
Bass, black sea
Bass, largemouth
Bass, sea
Bass, smallmouth
Bass, striped
Bass, white
Bat, big brown
Bat, gray
Bat, little brown
Beaver
Becurie
Bigeye, spot finned
Blackbird, redwing
Bluefish
Bluefish, marine
Bluegill
Bonito
Booby, Peruvian
Bourgeois
Buffalo, smallmouth
Buffalo, water
Bullhead
Bullhead, black
Bullhead, brown
Burbot
Butterfish
Canvasback
Carangue baja
Carp
Carpsucker, river
Catfish
Catfish, blue
Catfish, channel
Catfish, flathead
Catfish, giant
Catshark, ridge-back
Cattle
Char
Chicken
Chub, flathead
Chub, lake
Chubsucker, Greek
Cichlid
Clam
Clam, softshell
Clam, surf
Coalfish
Cobia
Cockle
Cod
Coot
Coot, American
Coregonine
Cormorant, Guanay
Cormorant, red-legged
Coyote
Crab
Crab, blue
Crab, Dungeness
Crab, rock
Crane, greater sandhill
Crappie
Crappie, black
Crappie, white
Crayfish
Croaker
Croaker, Atlantic
Croaker, white
Crocodile, American
Crow
Deer, mule
Deer, whitetail
Dogfish
Dolphin
Dolphin, white-beaked
Dove, white-tailed
Dove, ring
Dove, ringed turtle
Drum, freshwater
Drum, red
Duck
Duck, black
Duck, mallard
Duck, redhead
Duck, tufted
Duck, wood
Dunlin
Eagle, bald
Earthworm
Eel
Eel, common
Egret, cattle
Eider, common
Falcon, prairie
Fish
Fish, mosquito
Fish, teleast, freshwater

Flounder
Flounder, starry
Flounder, summer
Fulmar, southern
Gallinule, common
Gallinule, purple
Gannet, Norwegian
Geese, snow
Goatfish, blackstripe
Goby
Goldfish
Goose, white Chinese
Grackle
Grebe, great crested
Grebe, little
Grebe, western
Grouper, greasy
Grouse, ruffed
Gudgeon
Gull, great black-backed
Gull, herring
Gull, laughing
Hake, red
Hare
Hare, snowshoe
Hawle, ferruginous
Hawk, Swainson's
Heron, black-crowned night
Heron, great blue
Heron, black-night winged
Heron, Louisiana
Herring, freshwater
Ibis, glossy
Ibis, white
Job
Johnfish, silver
Kestrel
Kestrel, American
Killifish, longnose
Kingfish
Lagesild
Lapwing
Limkin
Lizardfish, greater
Lobster
Lobster, American
Loon, common
Mackerel
Mackerel, barred Spanish
Mackerel, rakegilled
Mackerel, shortbodied
Magpie
Menhaden, Gulf
Mink
Minnow
Minnow, fathead
Minnow, sheepshead
Minnow, silvery
Mollusk
Monkey
Monkey, squirrel
Monoclebream, lattice
Mooneye
Moorhen
Mosquitofish
Mouse
Mouse, deer
Mouse, field
Mouse, white-footed
Mouse, wood
Mullet
Mullet, gray
Muskellunge
Mussel
Mussel, bay
Mussel, blue
Mussel, common
Mussel, freshwater
Mussel, swan
Mussel, zebra
Octopus, Mediterranean
Osprey
Otter
Otter, river
Owl, barn
Owl, screech
Oyster
Oyster, American
Oyster, Pacific
Oystercatcher, American
Parrot, yellow-crowned Amazon
Pelican, Australian
Pelican, brown
Pelican, white
Penguin, chinstrap
Penguin, macaroni
Perch
Perch, giant
Perch, yellow
Petrel, snow
Pheasant, ring-necked
Pigeon, cape
Pigeon, domestic
Pike, northern

Pintail
Plaice
Platte vielle
Plover, golden
Pomfret, black
Porpoise, harbor
Pumpkin seed
Quahog
Quail, Japanese
Quillback
Rabbit
Rabbit, cottontail
Rabbit, swamp
Raccoon
Rail, clapper
Rail, sora
Redhorse, golden
Redhorse, shorthead
Reindeer
Roach
Rudd
Runner, rainbow
Sailfish
Salmon
Salmon, Atlantic
Salmon, coho
Sanderling
Sandpiper, least
Sandpiper, western
Sauger
Scallop
Scallop, bay
Scallop, sea
Scup
Seal
Seal, grey
Seal, harbor
Seal, harp
Shad, American
Shad, gizzard
Shark, mako
Shearwater, sooty
Sheep
Shoveler
Shrew
Shrew, common
Shrew, short-tailed
Shrimp
Shrimp, brown
Shrimp, freshwater
Shrimp, marine
Skua, brown
Skua, south polar
Smelt, rainbow
Snake
Snake, garter
Snake, water
Snapper, malabar
Snapper, red
Snipe
Snipe, jack
Sole, English
Sole, rock
Sparrow, house
Sparrowhawk
Spinefoot, whitespotted
Spot
Sprat
Squid
Squid, dwarf
Squirrel, Columbian ground
Squirrel, gray
Squirrel, rock
Starling
Stingray, pale-edged
Sucker
Sucker, Utah
Sucker, white
Sunfish, bluegill
Sunfish, green
Sunfish, redear
Surf clam, thin-shelled
Swan, mute
Swine
Swordfish
Tanager, western
Teal
Teal, blue-winged
Tern, arctic
Tern, Inca
Tern, least
Tern, royal
Tern, sandwich
Tern, sooty
Threadfin, sixtooth
Tickletail
Toad
Tomcod, Atlantic
Trevally, barebreast
Trevally, slender
Trevally, torpedo
Trout
Trout, brook
Trout, brown

Trout, lake
Trout, rainbow
Tuna
Tuna, albacore
Tuna, bigeye
Tuna, bluefin
Tuna, dogtooth
Tuna, skipjack
Tuna, wahoo
Tuna, yellowfin
Turkey
Turkey wing
Turnstone, ruddy
Turtle, box
Turtle, green
Turtle, loggerhead
Turtle, slider
Turtle, snapping
Turtle, yellow mud
Vara vara
Vole, bank
Vole, meadow
Vole, red-backed
Vulture, king
Walleye
Whitefish, lake
Whiting
Wigeon
Willet
Yellowlegs, greater
Yellowlegs, lesser

TISSUES AND BODY FLUIDS

Abdomen
Adipose
Adrenal gland
Air sac
Arachnoid fluid
Bile
Bladder
Blood
Blood, cells
Blood, plasma
Blood, serum
Blood, whole
Body
Body, whole
Bone
Brain
Bursa
Cecum
Claws
Digestive gland
Eggs
Epididymis
Eye
Feathers
Fetal
Gall bladder
Gills
GuT
Hair
Head
Heart
Heptaopancreas
Intestine
Kidney
Liver
Lung
Lymph node
Mantle
Milk
Milt
Muscle
Nasal gland
Nerve
Ovary
Pancreas
Pelt
Pituitary
Rumen
Salivary gland
Scales
Semen
Seminal vesicle
Skin
Somatic
Spinal cord
Spleen
Stomach
Teeth
Testis
Thorax
Thyroid gland
Urine

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1,3,5-Triazine-2,4(1H,3H)-dione, 3-cyclohexyl-6-(dimethylamino)-1-methyl- 2547

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, endo,exo- (8 CI); 1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4abeta,5alpha,8alpha,8abeta)- (9 CI) 2550

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,endo- (8 CI); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)- (9 CI) 2551

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI) 2561

2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo- (8 CI); 2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, (4S-(4alpha,4aalpha,5aalpha,6beta,12aalpha))- (9 CI) 2598

4,7-Methano-1H-indene, 1,2,3,4,5,6,7,8,8-nonachloro-2,3,3a,4,7,7a-hexahydro-, (1alpha,2beta,3alpha,3aalpha,4beta,7beta,7aalpha)- 2599

4,7-Methanoindan, 1,2,4,5,6,7,8,8-octachloro-1,2-epoxy-3a,4,7,7a-tetrahydro- (8 CI); 2,5-Methano-2H-indeno(1,2-b)oxirene, 1a,2,3,4,5,6a,7,7-octachloro-1a,1b,5,5a,6,6a-hexahydro- (9 CI) 2602

4,7-Methanoindan, 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro- (8 CI); 2,5-Methano-2H-indeno(1,2-b)oxirene, 2,3,4,5,6,7,7-heptachloro-1a,1b,5,5a,6,6a-hexahydro- (9 CI) 2608

4,7-Methanoindan, 1alpha,2alpha,3alpha,4beta,5,6,7beta,8,8-nonachloro-3aalpha,4,7,7-aalpha-tetrahydro- (8 CI); 4,7-Methano-1H-indene, 1,2,3,4,5,6,7,8,8-nonachloro-2,3,3a,4,7,7a-hexahydro-(1alpha,2alpha,3alpha,3aalpha,4beta,7aalpha- (9 CI) 2622

4,7-Methanoindan, 1alpha,2alpha,4beta,5,6,7beta,8,8-octachloro-3aalpha,4,7,7aalpha-tetrahydro (8 CI); 4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-, (1alpha,2alpha,3aalpha,4beta,7beta,7aalpha)- (9 CI) 2624

5-Norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro-, cyclic sulfite (8 CI); 6,9-Methano-2,4,3-benzodioxathiepan, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide (9 CI) 2625

Ag
Silver 2402

As
Arsenic 1543

Be
Beryllium 1632

C-H-Br-Cl2
Methane, bromodichloro- 2272

C-H-Cl3
Chloroform (8 CI); Methane, trichloro- (9 CI) 1792

C-H3-Hg
Mercury(1+), methyl-, ion (8 CI); Mercury(1+), methyl- (9 CI) 2265

Cd
Cadmium 1713

Co
Cobalt 1830

Cr
Chromium 1798

Cu
Copper 1842

C10-Cl12
1,3,4-Metheno-1H-cyclobuta(cd)pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro- 2546

C10-H-Cl11
1,3,4-Metheno-1H-cyclobuta(cd)pentalene, 1,1a,2,2,3,3a,4,5,5,5a,5b-undecachlorooctahydro- 2528

C10-H12
Naphthalene, 1,2,3,4-tetrahydro- 2293

C10-H15-O-P-S2
Phosphonodithioic acid, ethyl-, O-ethyl S-phenyl ester 2379

C10-H18
Naphthalene, decahydro-, trans- 2291

C10-H4-Cl8-O
4,7-Methanoindan, 1,2,4,5,6,7,8,8-octachloro-1,2-epoxy-3a,4,7,7a-tetrahydro- (8 CI); 2,5-Methano-2H-indeno(1,2-b)oxirene, 1a,2,3,4,5,6a,7,7-octachloro-1a,1b,5,5a,6,6a-hexahydro- (9 CI) 2602

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C10-H5-C17-O
4,7-Methanoindan,
1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro- (8 CI);
2,5-Methano-2H-indeno(1,2-b)oxirene,
2,3,4,5,6,7,7-heptachloro-1a,1b,5,5a,6,6a-hexahydro- (9 CI) 2608

C10-H5-C19
4,7-Methano-1H-indene,
1,2,3,4,5,6,7,8,8-nonachloro-2,3,3a,4,7,7a-hexahydro-,
(1alpha,2beta,3alpha,3aalpha,4beta,7beta,7aalpha)- 2599

4,7-Methanoindan,
1alpha,2alpha,3alpha,4beta,5,6,7beta,8,8-nonachloro-3aalpha,4,7,7-aalpha
-tetrahydro- (8 CI); 4,7-Methano-1H-indene,
1,2,3,4,5,6,7,8,8-nonachloro-2,3,3a,4,7,7a-hexahydro-(1alpha,2alpha,3alp
ha,3aalpha,4beta,7aalpha- (9 CI) 2622

C10-H6-C18
Chlordane 1791

4,7-Methanoindan,
1alpha,2alpha,4beta,5,6,7beta,8,8-octachloro-3aalpha,4,7,7aalpha-tetrahy
dro (8 CI); 4,7-Methano-1H-indene,
1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-,
(1alpha,2alpha,3aalpha,4beta,7beta,7aalpha)- (9 CI) 2624

C10-H8
Naphthalene 2278

C10-H9-N
1-Naphthylamine (8 CI); 1-Naphthalenamine (9 CI) 2526

C11-H10
Naphthalene, methyl- 2292

C12-H12
Naphthalene, 1,5-dimethyl- 2295

Naphthalene, 2-ethyl- 2296

C12-H14-N4-O2-S
Sulfanilamide, N(1)-(4,6-dimethyl-2-pyrimidinyl)- (8 CI);
Benzenesulfonamide, 4-amino-N-(4,6-dimethyl-2-pyrimidinyl)- (9 CI) 2405

C12-H14-N4-O4-S
Benzenesulfonamide, 4-amino-N-(2,6-dimethoxy-4-pyrimidinyl)- 1620

C12-H15-N-O3
Carbamic acid, methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester
(8 CI); 7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate (9
CI) 1787

C12-H20-N4-O2
1,3,5-Triazine-2,4(1H,3H)-dione,
3-cyclohexyl-6-(dimethylamino)-1-methyl- 2547

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C12-H26
Dodecane 1939

C12-H4-C14-O2
Dibenzo-p-dioxin, 2,3,7,8-tetrachloro- (8 CI); Dibenzo(b,e)(1,4)dioxin, 2,3,7,8-tetrachloro- (9 CI) 1935

C12-H8-C16
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, endo,exo- (8 CI); 1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha,4alpha,4abeta,5alpha,8alpha,8abeta)- (9 CI) 2550

C12-H8-C16-O
1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,endo- (8 CI); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)- (9 CI) 2551

1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-, endo,exo- (8 CI); 2,7:3,6-Dimethanonaphth(2,3-b)oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)- (9 CI) 2561

C13-H10
Fluorene (8 CI); 9H-Fluorene (9 CI) 2040

C13-H14
Naphthalene, 1,3,5-trimethyl- 2294

C13-H16-F3-N3-O4
p-Toluidine, alpha,alpha,alpha-trifluoro-2,6-dinitro-N,N-dipropyl- (8 CI); Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- (9 CI) 2335

C13-H28
Tridecane 2453

C14-H10
Phenanthrene 2357

C14-H10-C14
Ethane, 1,1-dichloro-2,2-bis(p-chlorphenyl)- (8 CI); Benzene, 1,1'-(2,2-dichloroethylidene)bis(4-chloro- (9 CI) 1948

C14-H28
Octane, 1-cyclohexyl- (8 CI); Cyclohexane, octyl- (9 CI) 2334

C14-H30
Tetradecane 2415

C14-H8-C14
Ethylene, 1,1-dichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(dichloroethenylidene)bis(4-chloro- (9 CI) 1993

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C14-H9-Cl-F2-N2-O2
Benzamide, N-(((4-chlorophenyl)amino)carbonyl-2,6-difluoro- 1565

C14-H9-Cl5
DDT, total (No postings in CHEMLINE). 1915

Ethane, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)- (8 CI); Benzene, 1,1'-(2,2,2-trichloroethylidene)bis(4-chloro- (9 CI) 1959

C15-H17-N
Benzylamine, N-ethyl-N-phenyl- (8 CI); Benzenemethanamine, N-ethyl-N-phenyl- (9 CI) 1631

C15-H30
Nonane, 1-cyclohexyl- (8 CI); Cyclohexane, nonyl- (9 CI) 2327

C15-H32
Pentadecane 2350

C16-H19-N
m-Toluidine, N-benzyl-N-ethyl- (8 CI); Benzenemethanamine, N-ethyl-N-(3-methylphenyl)- (9 CI) 2157

C16-H34
Hexadecane 2048

C17-H12-O6
Cyclopenta(c)furo(3',2':4,5)furo(2,3-h)(1)benzopyran-1,11-dione, 2,3,6aalpha,9aalpha-tetrahydro-4-methoxy- (8 CI); Cyclopenta(c)furo(3',2':4,5)furo(2,3-h)(1)benzopyran-1,11-dione, 2,3,6a,9a-tetrahydro-4-methoxy-, (6aR-cis)- (9 CI) 1912

C17-H36
Heptadecane 2041

C18-H38
Octadecane 2328

C19-H40
Nonadecane 2321

Pentadecane, 2,6,10,14-tetramethyl- 2356

C2-Cl4
Ethylene, tetrachloro- (8 CI); Ethene, tetrachloro- (9 CI) 1976

C2-H-Cl3
Ethylene, trichloro- (8 CI); Ethene, trichloro- (9 CI) 1984

C20-H12
Benzo(a)pyrene 1626

C20-H30-O2
Estr-4-en-3-one, 17-hydroxy-7,17-dimethyl-, (7alpha,17beta)- 1941

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C20-H42
Eicosane 1940

Hexadecane, 2,6,10,14-tetramethyl- 2054

C21-H20-C12-O3
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester 1913

C22-H19-C12-N-O3
Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methyl ester 1914

C22-H23-Cl-N2-O8
2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo- (8 CI); 2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-, (4S-(4alpha,4aalpha,5aalpha,6beta,12aalpha))- (9 CI) 2598

C25-H22-Cl-N-O3
Benzeneacetic acid, 4-chloro-alpha-(1-methylethyl)-, cyano(3-phenoxyphenyl)methyl ester 1615

C4-H10-N-O3-P-S
Phosphoramidothioic acid, acetyl-, O,S-dimethyl ester 2384

C6-Cl6
Benzene, hexachloro- 1590

C6-H-Cl5-O
Phenol, pentachloro- 2369

C6-H6-O
Phenol 2367

C7-H3-Cl5-O
Anisole, 2,3,4,5,6-pentachloro- (8 CI); Benzene, pentachloromethoxy- (9 CI) 1516

C7-H8
Toluene (8 CI); Benzene, methyl- (9 CI) 2432

C8-H10-N4-O2
Caffeine (8 CI); 1H-Purine-2,6-dione, 3,7-dihydro-1,3,7-trimethyl- (9 CI) 1786

C9-H6-Cl6-O3-S
5-Norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro-, cyclic sulfite (8 CI); 6,9-Methano-2,4,3-benzodioxathiepan, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide (9 CI) 2625

EXACT COMPOSITION UNKNOWN OR UNDETERMINED
Arochlor 1242 (No postings in CHEMLINE). 1523

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Arochlor 1254 1524

Arochlor 1260 1532

Biphenyl, chloro (8 CI); 1,1'-Biphenyl, chloro derivs (9 CI) 1634

Tocopherol 2428

Toxaphene 2450

Fe
Iron 2055

Hg
Mercury 2179

Mn
Manganese 2158

Mo
Molybdenum 2274

Ni
Nickel 2297

Pb
Lead 2080

Sb
Antimony 1521

Se
Selenium 2386

Sn
Tin 2421

Sr
Strontium 2403

Te
Tellurium 2411

Ti
Titanium 2426

V
Vanadium 2454

Zn
Zinc 2463

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15. Supplementary Notes

16. Abstract (Limit: 200 words)

A comprehensive data base of chemicals identified in feral and food animals has been established under the direction of the Exposure Evaluation Division in the Environmental Protection Agency's Office of Toxic Substances. This effort has grown out of the concern over continuing reports of toxic chemicals in human tissues and body fluids. Feral populations and food animals are regarded as indicators of environmental contamination and subsequent human body burden.

This data base is a companion to Chemicals Identified in Human Biological Media and follows basically the same format. The data base on human body burdens is in its fifth year of publication. This is the third annual report for the feral and food animal file.

Data were obtained primarily from the open literature through manual searches retrospective to 1979. The file contains information on 150 different substances.

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Animal tissue/body fluids
Residues

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c. COSATI Field/Group

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